

# SOLICITATION TRACT

BIDDER/OFFEROR TO COMPLETE BLC 11, 13, 15, 21, 22, & 27.

THIS CON.  
UNDER DPAS (

RATED ORDER  
(350)

RATING  
DO S1

PAGE 1 OF 21

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2 CONTRACT NO <b>F33601-00-DJ002</b>	3 AWARD/EFFECTIVE DATE <b>1 JAN 00</b>	4 SOLICITATION NUMBER <b>F33601-98-R-9033</b>	5 SOLICITATION TYPE <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	6 SOLICITATION ISSUE DATE <b>1999 JUL 07</b>
7 ISSUED BY DEPARTMENT OF THE AIR FORCE ASG/PKMO AREA C BLDG 1 RM 109 1940 ALLBROOK DRIVE STE 3 WRIGHT-PATTERSON AFB OH 45433 5309		8 THIS ACQUISITION IS <input type="checkbox"/> UNRESTRICTED <input checked="" type="checkbox"/> SET ASIDE: 100% FOR <input checked="" type="checkbox"/> SMALL BUSINESS		
9 BUYER: S. HALL/TKNOV/[937]257-5841, ext. 4198 NO COLLECT CALLS		SIC: 8744 SIZE STANDARD \$ 20,000,000		

9 SOLICITATION SEALED OFFERS WILL BE RECEIVED AT THE ISSUING OFFICE UNTIL 03:30 PM EASTERN DAYLIGHT SAVINGS TIME (EDST) ON 1999 AUG 16. LATE OFFERS ARE SUBJECT TO LATE PROPOSAL PROVISIONS INCORPORATED HEREIN. ALL OFFERS ARE SUBJECT TO SUCH PROVISIONS, REPRESENTATIONS, CERTIFICATIONS AND SPECIFICATIONS AS ARE ATTACHED OR INCORPORATED BY REFERENCE.

10 ITEMS TO BE PURCHASED (BRIEF DESCRIPTION)

☐ SUPPLIES ☒ SERVICES **CIVIL ENGINEERING SUPPORT TO SYSTEMS ACQUISITION AND R&D ACTIVITIES**

11 IF OFFER IS ACCEPTED BY THE GOVERNMENT WITHIN CALENDAR DAYS  
\* (60 CALENDAR DAYS UNLESS OFFEROR INSERTS A DIFFERENT PERIOD) FROM THE DATE  
SET FORTH IN BLKS ABOVE, THE CONTRACTOR AGREES TO HOLD ITS OFFERED PRICES  
FIRM FOR THE ITEMS SOLICITED HEREIN AND TO ACCEPT ANY RESULTING CONTRACT  
SUBJECT TO THE TERMS AND CONDITIONS STATED HEREIN

12 ADMINISTERED BY CODE **F33601**

ASG/PKMO AREA C BLDG 1 RM 109  
1940 ALLBROOK DRIVE STE 3  
WRIGHT-PATTERSON AFB OH 45433-5309

13 CONTRACTOR OFFEROR CODE **GC2F19S** FACILITY CODE  
GRIFFIN SERVICES INC.  
5755 DUPRE DR NW STE 220  
ATLANTA GA 30327-4352

14 PAYMENT WILL BE MADE BY CODE **F03000**

DFAS-DY/FPA  
1050 FORKER BLVD  
DAYTON OH 45420-1472

☐ TELEPHONE NO 770-952-1479

CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER

SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK

15 PROMPT PAY DISCOUNT

16 AUTHORITY FOR USING OTHER THAN  
FULL AND OPEN COMPETITION

10 USC 2304  
☐ (a) ☐ (b) ☐ (c) ☐ (d)

41 USC 353  
☐ (a) ☐ (b) ☐ (c) ☐ (d)

17 ITEM NO	18 SCHEDULE OF SUPPLIES/SERVICES	19 QUANTITY	20 UNIT	21 UNIT PRICE	22 AMOUNT
	<p>CONTRACTING OFFICER INFORMATION: MADONNA J. HART PHONE: 937-257-5841, EXT. 4238 E-MAIL: MADONNA.HART@WPAFB.AF.MIL</p> <p style="text-align: center;">ENTER PRICES IN SECTION B USE TYPEWRITER OR BLACK INK</p>				
* THE ACCEPTANCE PERIOD IN BLOCK 11 ABOVE IS HEREBY CHANGED FROM 60 TO 120 CALENDAR DAYS.					

23 ACCOUNTING AND APPROPRIATION DATA

SEE SECTION G

24 TOTAL AWARD AMOUNT (FOR AWARD AND NOT-TO-EXCEED)  
**\$9,593,738.45**

25 CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN ONE COPY TO  
ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET  
FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY CONTINUATION SHEETS SUBJECT  
THE TERMS AND CONDITIONS SPECIFIED HEREIN.

26 AWARD OF CONTRACT: YOUR OFFER ON SOLICITATION NUMBER  
SHOWN IN BLOCK 4 INCLUDING ANY ADDITIONS OR CHANGES WHICH  
ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:  
CLINS 0001-0010

27 SIGNATURE OF OFFEROR/CONTRACTOR

28 UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)

NAME AND TITLE OF SIGNER (TYPE OR PRINT)

DATE SIGNED

NAME OF CONTRACTING OFFICER

DATE SIGNED

Richard Rushton

11/19/99

MADONNA J. HART

23 Nov 99

President, COO

**PART I - THE SCHEDULE  
SECTION B  
SUPPLIES OR SERVICE AND PRICES/COSTS**

**BASE PERIOD: 1 JAN 00 THROUGH 31 DEC 00**

0001 **MAINTENANCE:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE EQUIPMENT MAINTENANCE, REPAIRS, INSTALLATION, AND MISCELLANEOUS SERVICES FOR AFMC ACQUISITION ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 1 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE SERVICE CONTRACT ACT.

PR NR: F6WLAD91390500

**TOTAL ESTIMATED PRICE FOR CLIN 0001:                   \$6,072,192.50  
(OBTAINED FROM ATTACHMENT 1)**

0002 **CONSTRUCTION:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE ALL NECESSARY OR REQUIRED OPERATIONS TO PERFORM CONSTRUCTION IN AFMC ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE: LABOR (SEE ATTACHMENT 2 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE DAVIS BACON ACT.

PR NR: F6WLAD91390500

**TOTAL ESTIMATED PRICE FOR CLIN 0002:                   \$3,521,545.95  
(OBTAINED FROM ATTACHMENT 2)**

**TOTAL ESTIMATED PRICE FOR BASE PERIOD:           \$9,593,738.46**

**OPTION I PERIOD: 1 JAN 01 THROUGH 31 DEC 01**

0003

**MAINTENANCE:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE EQUIPMENT MAINTENANCE, REPAIRS, INSTALLATION, AND MISCELLANEOUS SERVICES FOR AFMC ACQUISITION ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 3 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE SERVICE CONTRACT ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0003:                   \$5,977,468.20**  
**(OBTAINED FROM ATTACHMENT 3)**

0004

**CONSTRUCTION:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE ALL NECESSARY OR REQUIRED OPERATIONS TO PERFORM CONSTRUCTION IN AFMC ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 4 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE DAVIS BACON ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0004:                   \$3,527,524.15**  
**(OBTAINED FROM ATTACHMENT 4)**

**TOTAL ESTIMATED PRICE FOR OPTION I PERIOD:   \$9,504,990.35**

**OPTION II PERIOD: 1 JAN 02 THROUGH 31 DEC 02**

0005

**MAINTENANCE:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE EQUIPMENT MAINTENANCE, REPAIRS, INSTALLATION, AND MISCELLANEOUS SERVICES FOR AFMC ACQUISITION ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 5 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE SERVICE CONTRACT ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0005:                      \$5,984,296.20**  
**(OBTAINED FROM ATTACHMENT 5)**

0006

**CONSTRUCTION:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE ALL NECESSARY OR REQUIRED OPERATIONS TO PERFORM CONSTRUCTION IN AFMC ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 6 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE DAVIS BACON ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0006:                      \$3,533,937.75**  
**(OBTAINED FROM ATTACHMENT 6)**

**TOTAL ESTIMATED PRICE FOR OPTION II PERIOD:      \$9,518,233.95**

**OPTION III PERIOD: 1 JAN 03 THROUGH 31 DEC 03**

0007 **MAINTENANCE:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE EQUIPMENT MAINTENANCE, REPAIRS, INSTALLATION, AND MISCELLANEOUS SERVICES FOR AFMC ACQUISITION ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 7 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE SERVICE CONTRACT ACT.

PR NR TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0007: \$5,990,716.20**  
**(OBTAINED FROM ATTACHMENT 7)**

0008 **CONSTRUCTION:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE ALL NECESSARY OR REQUIRED OPERATIONS TO PERFORM CONSTRUCTION IN AFMC ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 8 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE DAVIS BACON ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0008: \$3,540,219.55**  
**(OBTAINED FROM ATTACHMENT 8)**

**TOTAL ESTIMATED PRICE FOR OPTION III PERIOD: \$9,530,935.75**

**OPTION IV PERIOD: 1 JAN 04 THROUGH 31 DEC 04**

0009

**MAINTENANCE:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE EQUIPMENT MAINTENANCE, REPAIRS, INSTALLATION, AND MISCELLANEOUS SERVICES FOR AFMC ACQUISITION ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 9 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE SERVICE CONTRACT ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0009: \$5,997,441.20**  
**(OBTAINED FROM ATTACHMENT 9)**

0010

**CONSTRUCTION:** NONPERSONAL SERVICES TO PROVIDE PERSONNEL, EQUIPMENT, TOOLS, MATERIAL, AND OTHER ITEMS AND ON-SITE SERVICES NECESSARY TO PROVIDE ALL NECESSARY OR REQUIRED OPERATIONS TO PERFORM CONSTRUCTION IN AFMC ORGANIZATIONS INVOLVED IN RESEARCH, DEVELOPMENT, TEST, AND EVALUATION ACTIVITIES AT WRIGHT-PATTERSON AIR FORCE BASE OH, IN ACCORDANCE WITH THE ATTACHED PERFORMANCE WORK STATEMENT (PWS). CONTRACT SERVICES INCLUDE:  
LABOR (SEE ATTACHMENT 10 FOR FIXED RATE CHART OF LABOR CATEGORIES), MATERIALS, SUBCONTRACTING, AND DATA (AS SPECIFIED ON DD FORM 1423, WHICH ARE NOT SEPARATELY PRICED). LABOR CATEGORIES UNDER THIS LINE ITEM ARE SUBJECT TO THE DAVIS BACON ACT.

PR NR: TBD

**TOTAL ESTIMATED PRICE FOR CLIN 0010: \$3,546,630.15**  
**(OBTAINED FROM ATTACHMENT 10)**

**TOTAL ESTIMATED PRICE FOR OPTION IV PERIOD: \$9,544,071.35**

**ESTIMATED TOTAL CEILING: \$47,691,969.85**  
**(BASE YEAR PLUS OPTIONS I, II, III, AND IV)**

**B-1. CLAUSES AND PROVISIONS**

- (a) Clauses and provisions from the Federal Acquisition Regulation (FAR) and supplements thereto are incorporated in this document by reference and in full text. Those incorporated by reference have the same force and effect as if they were given in full text.
- (b) Clauses and provisions in this document will be numbered in sequence, but will not necessarily appear in consecutive order.
- (c) Sections K, L and M will be physically removed from any resultant award, but will be deemed to be incorporated, by reference, in that award.

**PART I - THE SCHEDULE  
SECTION C  
DESCRIPTION/SPECIFICATIONS/WORK STATEMENT**

C-205 52.211-7005 **SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS** MAR 1999  
(IAW DFARS 211.273-4)

(d) (Offeror insert information for each SPI process)

SPI Process: N/A

Facility: N/A

Military or Federal Specification or Standard: N/A

Affected Contract Line Item Number, Subline Item Number, Component, or Element: N/A

**C-551 INCORPORATION OF REFERENCE DOCUMENTS**

All specifications, exhibits, drawings or other documents which are referred to in this contract, whether or not attached, are incorporated herein by reference.

**PART I - THE SCHEDULE  
SECTION E  
INSPECTION AND ACCEPTANCE**

E-7. 52.246-6 **INSPECTION-TIME-AND-MATERIAL AND LABOR-HOUR** JAN 1986  
(IAW FAR 46.306)

E-18 52.246-12 **INSPECTION OF CONSTRUCTION** AUG 1996  
(IAW FAR 46.312)

E-35. **DD FORM 1423 DATA INSPECTION AND ACCEPTANCE**  
(IAW FAR 46.401(b) and 46.503)

The Inspection and Acceptance for Data items are as shown on DD Form 1423 attached hereto.

E-41. **INSPECTION AND ACCEPTANCE**  
(IAW FAR 46.401(b), and 46.503)

Inspection and acceptance of the (Services/Supplies) will be performed for:

All facilities listed in Attachment 11, Technical Exhibit #3, Maps and Work Layouts by 88 CEG/CECW

**PART I - THE SCHEDULE  
SECTION F  
DELIVERIES OR PERFORMANCE**

**F-12. PERIOD OF PERFORMANCE**  
(IAW FAR 11.401(a))

Performance under this contract shall be from **1 JAN 00** through **31 DEC 00**.

**F-13. PLACE OF PERFORMANCE**  
(IAW FAR 11.401(a))

Services under this contract are required to be performed at the following location(s): **As shown in Attachment 11, Technical Exhibit #3, Maps and Work Layouts.**

<b>F-20. 52.211-12</b>	<b>LIQUIDATED DAMAGES - CONSTRUCTION</b> (IAW FAR 11.504(b))	<b>APR 1984</b>
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For the purposes of this clause the blank(s) are completed as follows:

**(a) the sum of \$182.86 for each day of delay.**

<b>F-21. 52.211-12</b>	<b>LIQUIDATED DAMAGES - CONSTRUCTION -- ALTERNATE I</b> (IAW FAR 11.504(b))	<b>APR 1984</b>
<b>F-22. 52.211-13</b>	<b>TIME EXTENSIONS</b> (IAW FAR 11.504(c))	<b>APR 1984</b>
<b>F-26. 52.242-15</b>	<b>STOP-WORK ORDER</b> (IAW FAR 42.1305(b)(1))	<b>AUG 1989</b>
<b>F-68. 52.247-55</b>	<b>F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY</b> (IAW FAR 47.305-12(a)(2))	<b>APR 1984</b>
<b>F-477. 5352.247-9017</b>	<b>F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY (AFMC)</b> (IAW AFMCFARS 5347.305-12(a)(90))	<b>SEP 1998</b>

The f.o.b. point for delivery of Government-furnished property, as defined in FAR 52.247-55, F.o.b. Point for Delivery of Government-Furnished Property, shall be: destination.



**PART I - THE SCHEDULE  
SECTION G  
CONTRACT ADMINISTRATION DATA**

**G-1. ACCOUNTING AND APPROPRIATION DATA**

CONTRACTOR: INVOICES SHOULD BE PREPARED IN ACCORDANCE WITH FAR PART 32 PAYMENTS CLAUSES. INVOICES SHOULD CITE THE CONTRACT NUMBER, DELIVERY ORDER NUMBER, AND LIST APPLICABLE CONTRACT LINE ITEM NUMBERS AND ASSOCIATED CHARGES.

SEND INVOICES TO:

**88 CEG/CECW**

**ACCOUNTING AND APPROPRIATION DATA:**

**FUNDS WILL BE CITED ON EACH DELIVERY ORDER/TASK ORDER ISSUED HEREUNDER**

G-445. **5352.237-9002 CONTRACT HOLIDAYS (AFMC)**  
(IAW AFMCFARS 5337.110-90(c))

JUL 1997

(a) The prices/costs in Section B of the contract include holiday observances; accordingly, the Government will not be billed for such holidays, except when services are required by the Government and are actually performed on a holiday. Holidays in addition to those reflected in this contract, which are designated by the Government, will be billable provided the assigned Contractor employee was available for performance and was precluded from such performance.

(b) The following days are contract holidays: NEW YEAR'S DAY, MARTIN LUTHER KING DAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, COLUMBUS DAY, VETERAN'S DAY, THANKSGIVING DAY, AND CHRISTMAS DAY.

NOTE: There are ten (10) Government recognized holidays. The Department of Labor Wage Determination allows for eleven (11) holidays for Service Contract Act (SCA) covered employees. Because certain SCA recognized holidays (such as Good Friday) are not recognized as Government holidays, it is expected that facilities requiring the services of the Contractor on that day shall receive such services. The Contractor may substitute another day (e.g., employee's birthday, anniversary, or other day of preference) for that SCA recognized holiday for its SCA covered employees.

**PART I - THE SCHEDULE  
SECTION H  
SPECIAL CONTRACT REQUIREMENTS**

**H-91. WAGE DETERMINATION  
(IAW FAR 22.1012-1)**

Service Contract Act Wage Determination Number 94-2419, Revision 14, dated 27 May 99, is attached hereto and made a part hereof.

**H-526. OPTION TO EXTEND SERVICES  
(PKW 96-106)**

The Contracting Officer may provide written notice to the contractor extending the period of performance of the contract for an aggregate period not to exceed 6 months in accordance with contract clause I-194, Option To Extend Services, no less than 14 calendar days prior to the expiration of the contract. The contract extension shall be at the rates specified in the contract schedule for the period of performance immediately preceding the extension, adjusted only as allowed by I-194.

**H-568 MATERIAL AND SUBCONTRACTED SERVICES HANDLING CHARGES**

The price to be paid by the Government for material handling and/or subcontracted services is subject to audit and may be negotiated between the contractor and the Administrative Contracting Officer (ACO) following any audit(s) performed in accordance with the contract clause entitled "Payments Under Time-and-Material and Labor-Hour Contracts" under time and materials and labor hour contracts. The percentages below are ceiling rates and shall not be exceeded.

- (a) Materials Handling: 0.87%
- (b) Subcontracted Services: 1.25%
- \*(c) General and Administrative: N/A%

\*NOTE: G&A expenses are allowed only to the extent that they are not included in the material handling rate and are applied in accordance with the contractor's usual accounting practices consistent with Subpart 31.2 of the FAR.

See Clause L-562 for additional materials handling, subcontracted services, and G&A fill-ins.

**PART II - CONTRACT CLAUSES  
SECTION I  
CONTRACT CLAUSES**

**FAR 52.252-2**

**CLAUSES INCORPORATED BY REFERENCE  
(IAW FAR 52.107(b))**

**FEB 1998**

The full text of a clause may be accessed electronically at this/these address(es): Regulations URLs: (Click on the appropriate regulation.)

<http://farsite.hill.af.mil/reghtml/far/far1toc.htm>  
<http://farsite.hill.af.mil/reghtml/dfars/dfar1toc.htm>  
<http://farsite.hill.af.mil/reghtml/affars/affar1toc.htm>  
<http://farsite.hill.af.mil/reghtml/afmcfars/afmc1toc.htm>

**NOTE:** After selecting the appropriate regulation above, at the "Table of Contents" page, conduct a search for the desired regulation reference using your browser's **FIND** function. When located, click on the **regulation reference** (hyperlink).

<b><u>NO.</u></b>	<b><u>FAR PARA</u></b>	<b><u>CLAUSE TITLE</u></b>	<b><u>DATE</u></b>
I-11.	52.202-1	DEFINITIONS (IAW FAR 2.201)	OCT 1995
I-12.	52.202-1	DEFINITIONS - ALTERNATE I (IAW FAR 2.201)	APR 1984
I-19.	52.203-3	GRATUITIES (IAW FAR 3.202)	APR 1984
I-20.	52.203-5	COVENANT AGAINST CONTINGENT FEES (IAW FAR 3.404)	APR 1984
I-21.	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT (IAW FAR 3.503-2)	JUL 1995
I-22.	52.203-7	ANTI-KICKBACK PROCEDURES (IAW FAR 3.502-3)	JUL 1995
I-23.	52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY (IAW FAR 3.104-9(a))	JAN 1997
I-25.	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY (IAW FAR 3.104-9(b))	JAN 1997
I-25C.	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS (IAW FAR 3.808(b))	JUN 1997
I-39.	52.204-4	PRINTING/COPYING DOUBLE-SIDED ON RECYCLED PAPER (IAW FAR 4.304)	JUN 1996
I-78.	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT (IAW FAR 9.409(b))	JUL 1995
I-102.	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (IAW FAR 11.604(b))	SEP 1990

I-128.	52.215-2	AUDIT AND RECORDS--NEGOTIATION (IAW FAR 15.209(b)(1))	JUN 1999
I-129G.	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT (IAW FAR 15.209(h))	OCT 1997
I-134C	52.215-11	PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA--MODIFICATIONS (IAW FAR 15.408(c))	OCT 1997
I-136C	52.215-13	SUBCONTRACTOR COST OR PRICING DATA-- MODIFICATIONS (IAW FAR 15.408(e))	OCT 1997
I-139C	52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS (IAW FAR 15.408(g))	DEC 1998
I-146C.	52.215-18	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS (IAW FAR 15.408(j))	OCT 1997
I-153.	52.216-7	ALLOWABLE COST AND PAYMENT (IAW FAR 16.307(a)(1))	APR 1998
I-153C	52.216-7	ALLOWABLE COST AND PAYMENT -- ALTERNATE I (IAW FAR 16.307(a)(2))	FEB 1997
I-170.	52.216-18	ORDERING (IAW FAR 16.506(a))	OCT 1995

For the purposes of this clause the blank(s) is/are completed as follows:

(a) issued from 1 Jan 00 through 30 Dec 00

I-171.	52.216-19	ORDER LIMITATIONS (IAW FAR 16.506(b))	OCT 1995
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For the purposes of this clause the blank(s) is/are completed as follows:

- (a) \$100.00
- (b)(1) \$2,000,000.00
- (b)(2) \$2,000,000.00
- (b)(3) 5 Days
- (d) 10 Days

I-173.	52.216-21	REQUIREMENTS (IAW FAR 16.506(d)(1))	OCT 1995
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For the purposes of this clause the blank(s) is/are completed as follows:

(f) Contractor shall not be required to make any deliveries under this contract after 15 Jan 01.

I-194.	52.217-8	OPTION TO EXTEND SERVICES (IAW FAR 17.208(f))	AUG 1989
I-195.	52.217-9	OPTION TO EXTEND THE TERM OF THE CONTRACT (IAW FAR 17.208(g))	MAR 1989

For the purposes of this clause the blank(s) is/are completed as follows:

- (a) within 15 calendar days prior to the contract expiration period; and, if exercised, shall be subject to Clause I-404, Availability of Funds
- (c) not to exceed Five (5) Years

I-212.	<b>52.219-6</b>	<b>NOTICE OF TOTAL SMALL BUSINESS SET-ASIDE</b> (IAW FAR 19.508(c))	JUL 1996
I-214.	<b>52.219-8</b>	<b>UTILIZATION OF SMALL BUSINESS CONCERNS</b> (IAW FAR 19.708(a))	OCT 1999
I-221.	<b>52.219-14</b>	<b>LIMITATIONS ON SUBCONTRACTING</b> (IAW FAR 19.508(e), 19.811-3(e), and 19.1006 (c)(3))	DEC 1996
I-245.	<b>52.222-1</b>	<b>NOTICE TO THE GOVERNMENT OF LABOR DISPUTES</b> (IAW FAR 22.103-5(a))	FEB 1997
I-247.	<b>52.222-3</b>	<b>CONVICT LABOR</b> (IAW FAR 22.202)	AUG 1996
I-248.	<b>52.222-4</b>	<b>CONTRACT WORK HOURS AND SAFETY STANDARDS ACT-- OVERTIME COMPENSATION)</b>	JUL 1995
I-250.	<b>52.222-6</b>	<b>DAVIS-BACON ACT</b> (IAW FAR 22.407(a)(1))	FEB 1995
I-251.	<b>52.222-7</b>	<b>WITHHOLDING OF FUNDS</b> (IAW FAR 22.407(a)(2))	FEB 1988
I-252.	<b>52.222-8</b>	<b>PAYROLLS AND BASIC RECORDS</b> (IAW FAR 22.407(a)(3))	FEB 1988
I-253.	<b>52.222-9</b>	<b>APPRENTICES AND TRAINEES</b> (IAW FAR 22.407(a)(4))	FEB 1988
I-254.	<b>52.222-10</b>	<b>COMPLIANCE WITH COPELAND ACT REQUIREMENTS</b> (IAW FAR 22.407(a)(5))	FEB 1988
I-255.	<b>52.222-11</b>	<b>SUBCONTRACTS (LABOR STANDARDS)</b> (IAW FAR 22.407(a)(6))	FEB 1988
I-256.	<b>52.222-12</b>	<b>CONTRACT TERMINATION--DEBARMENT</b> (IAW FAR 22.407(a)(7))	FEB 1988
I-257.	<b>52.222-13</b>	<b>COMPLIANCE WITH DAVIS-BACON AND RELATED ACT REGULATIONS</b> (IAW FAR 22.407(a)(8))	FEB 1988
I-258.	<b>52.222-14</b>	<b>DISPUTES CONCERNING LABOR STANDARDS</b> (IAW FAR 22.407(a)(9))	FEB 1988
I-259.	<b>52.222-15</b>	<b>CERTIFICATION OF ELIGIBILITY</b> (IAW FAR 22.407(a)(10))	FEB 1988
I-263E.	<b>52.222-21</b>	<b>PROHIBITION OF SEGREGATED FACILITIES</b> (IAW FAR 22.810(a)(1))	FEB 1999
I-264.	<b>52.222-26</b>	<b>EQUAL OPPORTUNITY</b> (IAW FAR 22.810(e))	FEB 1999
I-266.	<b>52.222-27</b>	<b>AFFIRMATIVE ACTION COMPLIANCE REQUIREMENTS FOR CONSTRUCTION</b> (IAW FAR 22.810(f))	FEB 1999
I-274.	<b>52.222-35</b>	<b>AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA</b> (IAW FAR 22.1308(a)(1), and DFARS 22.1308(a)(1))	APR 1998
I-276.	<b>52.222-36</b>	<b>AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES</b> (IAW FAR 22.1408(a))	JUN 1998
I-278.	<b>52.222-37</b>	<b>EMPLOYMENT REPORTS ON DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA</b> (IAW FAR 22.1308(b))	JAN 1999

I-283.	<b>52.222-41</b>	<b>SERVICE CONTRACT ACT OF 1965, AS AMENDED</b> (IAW FAR 22.1006(a))	MAY 1989
I-284.	<b>52.222-42</b>	<b>STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES</b> (IAW FAR 22.1006(b))	MAY 1989

For the purposes of this clause the blank(s) is/are completed as follows:

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

**THIS STATEMENT IS FOR INFORMATION ONLY  
IT IS NOT A WAGE DETERMINATION**

<b>EMPLOYEE CLASS</b>	<b>GRADE</b>	<b>HOURLY WAGE</b>
Heating, Refrigeration, and AC Mechanic	WG-4749-10	\$17.36
Maintenance Trades Helper	WG-4729-05	\$14.15
Water Treatment Plant Operator	WG-5409-09	\$16.74
Electrician, Maintenance	WG-2805-10	\$17.36
Pipefitter, Maintenance	WG-4204-10	\$17.36
Sheetmetal Worker, Maintenance	WG-3806-08	\$16.06
Painter, Maintenance	WG-4102-07	\$15.43
Carpenter, Maintenance	WG-4607-09	\$16.74

I-285.	<b>52.222-43</b>	<b>FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS)</b> (IAW FAR 22.1006(c)(1))	MAY 1989
I-292.	<b>52.223-2</b>	<b>CLEAN AIR AND WATER</b> (IAW FAR 23.105(b))	APR 1984
I-294.	<b>52.223-5</b>	<b>POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION</b> (IAW FAR 23.1005)	APR 1998
I-295.	<b>52.223-6</b>	<b>DRUG-FREE WORKPLACE</b> (IAW FAR 23.505)	JAN 1997
I-297E.	<b>52.223-14</b>	<b>TOXIC CHEMICAL RELEASE REPORTING</b> (IAW FAR 23.907(b))	OCT 1996

I-308. 52.225-5 BUY AMERICAN ACT--CONSTRUCTION MATERIALS JUN 1997  
(IAW FAR 25.207(a))

For the purposes of this clause the blank(s) is/are completed as follows

(b) (2) NONE

(d) For evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the following information and any applicable supporting data based on the survey of suppliers shall be included in the request.

FOREIGN AND DOMESTIC CONSTRUCTION  
MATERIALS PRICE COMPARISON

CONSTRUCTION MATERIAL DESCRIPTION	UNIT OF MEASURE	QUANTITY	PRICE (DOLLARS)*
<b>Item 1:</b>			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____
<b>Item 2:</b>			
Foreign construction material	_____	_____	_____
Domestic construction material	_____	_____	_____

List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary. Include other applicable supporting information.

\* Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).

I-312.	52.225-11	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (IAW FAR 25.702)	AUG 1998
I-315.	52.227-1	AUTHORIZATION AND CONSENT (IAW FAR 27.201-2(a))	JUL 1995
I-317	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENTS (IAW FAR 27.202-2)	AUG 1996
I-333.	52.228-1	BID GUARANTEE (IAW FAR 28.101-2(a))	SEP 1996

For the purposes of this clause the blank(s) is/are completed as follows:

(c) 20% of the total estimated price of CLIN 0002 (construction - base year)

I 334.	52.228-2	ADDITIONAL BOND SECURITY (IAW FAR 28.106-4)	OCT 1997
I-337.	52.228-5	INSURANCE--WORK ON A GOVERNMENT INSTALLATION (IAW FAR 28.310)	JAN 1997

I-339.	52.228-7	<b>INSURANCE--LIABILITY TO THIRD PERSONS</b> (IAW FAR 28.311-1)	MAR 1996
I-345.	52.228-11	<b>PLEDGES OF ASSETS</b> (IAW FAR 28.203-6)	FEB 1992
I-346.	52.228-12	<b>PROSPECTIVE SUBCONTRACTOR REQUESTS FOR BONDS</b> (IAW FAR 28.106-4(b))	OCT 1995
I-348.	52.228-14	<b>IRREVOCABLE LETTER OF CREDIT</b> (IAW FAR 28.204-4)	OCT 1997
I-348H.	52.228-15	<b>PERFORMANCE AND PAYMENT BONDS--CONSTRUCTION</b> (IAW FAR 28.102-3(a))	SEP 1996
I-389.	52.232-7	<b>PAYMENTS UNDER TIME-AND-MATERIALS AND LABOR-HOUR CONTRACTS</b> (IAW FAR 32.111(b))	FEB 1997
I-403.	52.232-17	<b>INTEREST</b> (IAW FAR 32.617(a), and 32.617(b))	JUN 1996
I-404.	52.232-18	<b>AVAILABILITY OF FUNDS</b> (IAW FAR 32.705-1(a))	APR 1984
I-406.	52.232-20	<b>LIMITATION OF COST</b> (IAW FAR 32.705-2(a))	APR 1984
I-408.	52.232-22	<b>LIMITATION OF FUNDS</b> (IAW FAR 32.705-2(c))	APR 1984
I-409.	52.232-23	<b>ASSIGNMENT OF CLAIMS</b> (IAW FAR 32.806(a)(1))	JAN 1986
I-412.	52.232-25	<b>PROMPT PAYMENT</b> (IAW FAR 32.908(c))	JUN 1997

For the purposes of this clause the blank(s) are completed as follows:

(a)(5)(i) 7th

(b)(1) 30th

I-415.	52.232-27	<b>PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS</b> (IAW FAR 32.908(b))	JUN 1997
I-416F.	52.232-33	<b>PAYMENT BY ELECTRONIC FUNDS TRANSFER-- CENTRAL CONTRACTOR REGISTRATION</b> (IAW FAR 32.1110(a)(1))	MAY 1999
I-417.	52.233-1	<b>DISPUTES</b> (IAW FAR 33.215)	DEC 1998
I-419.	52.233-3	<b>PROTEST AFTER AWARD</b> (IAW FAR 33.106(b))	AUG 1996
I-420.	52.233-3	<b>PROTEST AFTER AWARD -- ALTERNATE I</b> (IAW FAR 33.106(b))	JUN 1985
I-448.	52.236-5	<b>MATERIAL AND WORKMANSHIP</b> (IAW FAR 36.505)	APR 1984
I-450.	52.236-7	<b>PERMITS AND RESPONSIBILITIES</b> (IAW FAR 36.507)	NOV 1991



I-478.	52.237-2	<b>PROTECTION OF GOVERNMENT BUILDINGS, EQUIPMENT, AND VEGETATION</b> (IAW FAR 37.110(b))	APR 1984
I-479	52.237-3	<b>CONTINUITY OF SERVICES</b> (IAW FAR 37.110(c))	JAN 1991
I-531.	52.242-3	<b>PENALTIES FOR UNALLOWABLE COSTS</b> (IAW FAR 42.703-6)	OCT 1995
I-532.	52.242-4	<b>CERTIFICATION OF FINAL INDIRECT COSTS</b> (IAW FAR 42.703-2(f))	JAN 1997

(c) The certificate of final indirect costs shall read as follows:

#### CERTIFICATE OF FINAL INDIRECT COSTS

This is to certify that I have reviewed this proposal to establish final indirect cost rates and to the best of my knowledge and belief:

1. All costs included in this proposal (Solicitation F33601-98-R-9033, dated 16 Aug 99) to establish final indirect costs rates for the contract period are allowable in accordance with the cost principles of the Federal Acquisition Regulation (FAR) and its supplements applicable to the contracts to which the final indirect cost rates will apply; and
2. This proposal does not include any costs which are expressly unallowable under applicable cost principles of the FAR or its supplements.

Firm: Griffin Services, Inc.

Signature: {Original Signature in Official Contract File, Folder 4}

Name of Certifying Official: James J. Griffin

Title: Chairman, CEO

Date of Execution: 8/13/99

I-541.	52.242-13	<b>BANKRUPTCY</b> (IAW FAR 42.903)	JUL 1995
I-558.	52.243-3	<b>CHANGES-TIME-AND-MATERIALS OR LABOR-HOURS</b> (IAW FAR 43.205(c))	AUG 1987
I-570.	52.244-2	<b>SUBCONTRACTS</b> (IAW FAR 44.204(a)(1))	AUG 1998

(e) All subcontracts over the QAE approval authority level

(k) None

I-574.	52.244-6	<b>SUBCONTRACTS FOR COMMERCIAL ITEMS AND COMMERCIAL COMPONENTS</b> (IAW FAR 44.403)	OCT 1998
I-585.	52.245-5	<b>GOVERNMENT PROPERTY (COST-REIMBURSEMENT, TIME-AND-MATERIAL, OR LABOR-HOUR CONTRACTS) (DEVIATION)</b> (IAW FAR 45.106(f)(1), and DDP Memo dated 13 Jul 99, DAR Tracking #99-O0008)	JAN 1986
I-630.	52.246-25	<b>LIMITATION OF LIABILITY-SERVICES</b> (IAW FAR 46.805)	FEB 1997
I-671.	52.248-1	<b>VALUE ENGINEERING (DEVIATION)</b> (IAW FAR 48.201(b), and DDP Memo dated 10 Jun 99, DAR Tracking # 99-O0006)	MAR 1989

I-676.	52.248-3	VALUE ENGINEERING--CONSTRUCTION (IAW FAR 48.202)	MAR 1989
I-692.	52.249-6	TERMINATION (COST-REIMBURSEMENT) (IAW FAR 49.503(a)(1))	SEP 1996
I-696.	52.249-6	TERMINATION (COST-REIMBURSEMENT) -- ALTERNATE IV (IAW FAR 49.503(a)(4))	SEP 1996
I-710.	52.249-14	EXCUSABLE DELAYS (IAW FAR 49.505(d))	APR 1984
I-733.	52.252-6	AUTHORIZED DEVIATIONS IN CLAUSES (IAW FAR 52.107(f))	APR 1984

For the purposes of this clause the blank(s) is/are completed as follows:

(b) Defense Federal Acquisition Regulation Supplement (48 CFR Chapter 2)

I-750.	52.253-1	COMPUTER GENERATED FORMS (IAW FAR 53.111)	JAN 1991
IA-22.	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES (IAW DFARS 203.570-5)	MAR 1999
IA-24.	252.203-7002	DISPLAY OF DOD HOTLINE POSTER (IAW DFARS 203.7002)	DEC 1991
IA-33.	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT (IAW DFARS 204.404-70(b))	APR 1992
IA-34.	252.204-7004	REQUIRED CENTRAL CONTRACTOR REGISTRATION (IAW DFARS 204.7304)	MAR 1998
IA-40.	252.205-7000	(Not applicable to awards with foreign vendors and foreign performance) PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS (IAW DFARS 205.470-2)	DEC 1991
IA-90.	252.209-7000	ACQUISITION FROM SUBCONTRACTORS SUBJECT TO ON-SITE INSPECTION UNDER THE INTERMEDIATE-RANGE NUCLEAR FORCES (INF) TREATY (IAW DFARS 209.103-70)	NOV 1995
IA-92.	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY (IAW DFARS 209.409)	MAR 1998
IA-152.	252.215-7000	PRICING ADJUSTMENTS (IAW DFARS 215.408(1))	DEC 1991
IA-280.	252.223-7004	DRUG-FREE WORK FORCE (IAW DFARS 223.570-4(a))	SEP 1988
IA-282.	252.223-7006	PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS (IAW DFARS 223.7103)	APR 1993
IA-293.	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES (IAW DFARS 225.7002-3(a))	MAY 1999
IA-312.	252.225-7025	RESTRICTION ON ACQUISITION OF FORGINGS (IAW DFARS 225.7102-4(a))	JUN 1997
IA-312C.	252.225-7026	REPORTING OF CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES (IAW DFARS 225.7203)	MAR 1998
IA-312H.	252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL (IAW DFARS 225.770-5)	JUN 1992
IA-350.	252.227-7033	RIGHTS IN SHOP DRAWINGS (IAW DFARS 227.7107-1(c))	APR 1966
IA-399.	252.231-7000	SUPPLEMENTAL COST PRINCIPLES (IAW DFARS 231.100-70)	DEC 1991

IA-632	252.242-7000	POSTAWARD CONFERENCE (IAW DFARS 242.570)	DEC 1991
IA-649	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT (IAW DFARS 243.205-72)	MAR 1998

(b) I certify that the request is made in good faith, and that the supporting data are accurate and complete to the best of my knowledge and belief.

\_\_\_\_\_  
(Official's Name)

\_\_\_\_\_  
(Title)

IA-662	252.245-7001	REPORTS OF GOVERNMENT PROPERTY (IAW DFARS 245.505-14(a))	MAY 1994
IA-745	252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA (IAW DFARS 247.573(b))	NOV 1995
IA-748	252.247-7024	NOTIFICATION OF TRANSPORTATION OF SUPPLIES BY SEA (IAW DFARS 247.573(c))	NOV 1995
IB-320	5352.223-9000	ELIMINATION OF USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS) (IAW AFFARS 5323.890-7)	MAY 1996

For the purposes of this clause the blank(s) is/are completed as follows:

Substance	Application/Use	Quantity (lbs)
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NONE

IB-321	5352.223-9001	HEALTH AND SAFETY ON GOVERNMENT INSTALLATIONS (IAW AFFARS 5323.9002)	JUN 1997
IB-343	5352.242-9000	CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS (IAW AFFARS 5342.490-1)	MAY 1996

For the purpose of this clause, the blank(s) is/are completed as follows:

(b) N/A

IB-408	5352.207-9002	RIGHTS OF THE GOVERNMENT TO PERFORM FUNCTIONS WITH ITS OWN PERSONNEL (AFMC) (IAW AFMCFARS 5307.391(c))	JUL 1997
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(a) The Government reserves the right to perform or supplement performance of contract functions with Government personnel during periods of disaster, war emergencies, police actions, or acts of God.

(b) The performance described in (a) above, will not constitute a breach of contract by the Government within the meaning of FAR 52.249-8, Default (Fixed-Price Supply and Service).

IB-468C	5352.228-9001	INSURANCE CLAUSE IMPLEMENTATION (AFMC) (IAW AFMCFARS 5328.310(a) and 5328.311-1)	JUL 1997
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The Contractor shall obtain and maintain the minimum kinds and amounts of insurance during performance of this contract as specified by FAR 28.307-2, Liability, and contemplated by FAR 52.228-5, Insurance--Work on a Government Installation, and/or 52.228-7, Insurance--Liability to Third Persons.

IB-486C. 5352.237-9001

**CONTRACTOR IDENTIFICATION (AFMC)**  
(IAW AFMCFARS 5337.110-90(b))

JUL 1997

- (a) Contractor personnel and their subcontractors must identify themselves as Contractors or subcontractors during meetings, telephone conversations, in electronic messages, or correspondence related to this contract.
- (b) Contractor-occupied facilities (on AFMC or other Government installations) such as offices, separate rooms, or cubicles must be clearly identified with Contractor supplied signs, name plates or other identification, showing that these are work areas for Contractor or subcontractor personnel.

IB-515C. 5352.245-9004

**BASE SUPPORT (AFMC)**  
(IAW AFMCFARS 5345.106-90(a))

JUL 1997

Base support shall be provided by the Government to the Contractor in accordance with this clause. Failure by the Contractor to comply with the requirements of this clause shall release the Government, without prejudice, from its obligation to provide base support by the date(s) required. If warranted, and if the Contractor has complied with the requirements of this clause, an equitable adjustment shall be made if the Government fails to provide base support by the date(s) required.

- (a) Base support includes Government-controlled working space, material, equipment, services (including automatic data processing), or other support (excluding use of the Defense Switched Network (DSN)) which the Government determines can be made available at, or through, any Air Force installation where this contract shall be performed. All Government property in the possession of the Contractor, provided through the base support clause, shall be used and managed in accordance with the Government Property clauses.
- (b) The Air Force installations providing the support shall be listed in subparagraph (e), and the Government support to be furnished by each installation under this contract shall be listed in subparagraph (f).
- (c) Unless otherwise stipulated in the contract schedule, support shall be provided on a no-charge-for-use basis and the value shall be a part of the Government's contract consideration.
- (d) The Contractor agrees to immediately report (with a copy to the cognizant CAO) inadequacies, defective Government-Furnished Property (GFP) or nonavailability of support stipulated by the contract schedule, together with a recommended plan for obtaining the required support. The Government agrees to determine (within 10 workdays) the validity and extent of the involved requirement and the method by which it shall be fulfilled (e.g., purchase, rental, lease, GFP, etc.). Facilities shall not be purchased under this clause. Additionally, the Contractor (or authorized representative) shall not purchase, or otherwise furnish any base support requirement provided by the clause (or authorize others to do so), without prior written approval of the Contracting Officer regarding the price, terms, and conditions of the proposed purchase, or approval of other arrangements.
- (e) . Following are installations where base support will be provided at all facilities listed in Attachment 11, Technical Exhibit #3, Maps and Work Layouts.
- (f) The Government support to be furnished under this contract is **as shown in the PWS**. Because of the nature and location(s) of the work performed, the value of such equipment is undeterminable. The Contractor shall not incur any cost resulting from nonsupport prior to Contracting Officer concurrence in accordance with this clause.

IB-515D. 5352.245-9004

**BASE SUPPORT - ALTERNATE I (AFMC)**  
(IAW AFMCFARS 5345.106-90(a))

JUL 1997

Add the following paragraph (g) to the basic clause:

- (g) When this contract is a cost, cost-reimbursement, time-and-materials, or labor-hour contract, the Contractor agrees that in the performance of this contract or any major subcontract no direct or indirect costs for property will be incurred if the Government determines that property is available at, or through any Air Force installation where this contract shall be performed. Only the prior written approval of the Contracting Officer can relieve the Contractor from this restriction.

**PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS**  
**SECTION J**  
**LIST OF ATTACHMENTS**  
(All listed attachments are at the end of this document)

<u>FORM NUMBER</u>	<u>TITLE</u>	<u>DATE</u>	<u>NO. OF PAGES</u>
Attachment 1	Fixed Rate Chart (Base Year) Maintenance	8 Sep 99	1
Attachment 2	Fixed Rate Chart (Base Year) Construction	8 Sep 99	1
Attachment 3	Fixed Rate Chart (Option I) Maintenance	8 Sep 99	1
Attachment 4	Fixed Rate Chart (Option I) Construction	8 Sep 99	1
Attachment 5	Fixed Rate Chart (Option II) Maintenance	8 Sep 99	1
Attachment 6	Fixed Rate Chart (Option II) Construction	8 Sep 99	1
Attachment 7	Fixed Rate Chart (Option III) Maintenance	8 Sep 99	1
Attachment 8	Fixed Rate Chart (Option III) Construction	8 Sep 99	1
Attachment 9	Fixed Rate Chart (Option IV) Maintenance	8 Sep 99	1
Attachment 10	Fixed Rate Chart (Option IV) Construction	8 Sep 99	1
Attachment 11	Technical Exhibit 3 Maps and Work Layouts	1 Jun 99	8
Appendix A	Performance Work Statement (PWS) including Technical Exhibits 1-8	9 Aug 99	61
DD Form 1423	Contract Data Requirements List (CDRLs)	23 Apr 99	17
Wage Determination	Number 94-2419, Revision 14	27 May 99	10
Wage Decision	OH990029 (through Mod 8)	1 Oct 99	10

**FIXED RATE CHART**  
**CLIN 0001 (BASE PERIOD - 1 JAN 00 THROUGH 31 DEC 00)**

**MAINTENANCE - REGULAR SHIFT**

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	50,000	\$	\$
Maintenance Trades Helper (SCA 23580)	16,000	\$	\$
Water Treatment Technician (SCA 25210)	2,000	\$	\$
Electrician, Maintenance (SCA 23100)	7,500	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	9,000	\$	\$
Insulator, Maintenance (SCA 23400)	8,500	\$	\$
Sheetmetal Worker, Maintenance (SCA 23590)	2,000	\$	\$
Painter, Maintenance (SCA 23760)	4,000	\$	\$
Carpenter, Maintenance (SCA 23130)	1,000	\$	\$
<b>Total Estimated Regular Shift</b>	<b>94,000</b>		\$

**MAINTENANCE - OVERTIME**

Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	10,000	\$	\$
Maintenance Trades Helper (SCA 23580)	2,500	\$	\$
Water Treatment Technician (SCA 25210)	10	\$	\$
Electrician, Maintenance (SCA 23100)	2,000	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	2,000	\$	\$
Insulator, Maintenance (SCA 23400)	100	\$	\$
Sheetmetal Worker, Maintenance (SCA 23590)	1,000	\$	\$
Painter, Maintenance (SCA 23760)	1,000	\$	\$
Carpenter, Maintenance (SCA 23130)	10	\$	\$
<b>Total Estimated Overtime</b>	<b>18,620</b>		\$

**MISCELLANEOUS CHARGES**

<b>MATERIALS</b>	1 LO	\$	2,000,000.00
<b>MATERIAL HANDLING % (if applicable)</b>		\$	
<b>SUBCONTRACTS/RENTAL</b>	1 LO	\$	400,000.00
<b>SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)</b>		\$	
<b>DATA</b>	1 LO	NSP	
<b>NSP = NOT SEPARATELY PRICED</b>			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0001 BASE YEAR TOTAL**</b>		\$	8,072,102.50
<b>** INCLUDES TOTAL ESTIMATED REGULAR SHIFT,</b>			
<b>TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED</b>			
<b>MISCELLANEOUS CHARGES</b>			

EXEMPTION (b)(4)

**FIXED RATE CHART**  
**CI IN 0002 (BASE PERIOD - 1 JAN 00 THROUGH 31 DEC 00)**

**CONSTRUCTION - FIRST SHIFT**

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Electrician	20,000	\$	
Carpenter	7,000	\$	
Bricklayer	300	\$	
Building Laborer	8,500	\$	
Mod Carrier Laborer	500	\$	
Painter Scaffold	5,000	\$	
Pipefitter, Plumber and Steamfitter	10,500	\$	
Refrigeration Technician	2,500	\$	
Sheet-metal Worker	4,500	\$	
Insulator	1,000	\$	
<b>Total Estimated First Shift</b>	<b>57,800</b>		

**CONSTRUCTION - SECOND SHIFT**

Electrician	2,000	\$	
Carpenter	180	\$	
Bricklayer	160	\$	
Building Laborer	100	\$	
Mod Carrier Laborer	160	\$	
Painter Scaffold	480	\$	
Pipefitter, Plumber and Steamfitter	480	\$	
Refrigeration Technician	160	\$	
Sheet-metal Worker	320	\$	
Insulator	160	\$	
<b>Total Estimated Second Shift</b>	<b>4,240</b>		

**CONSTRUCTION - OVERTIME**

Electrician	2,000	\$	
Carpenter	1,200	\$	
Bricklayer	50	\$	
Building Laborer	50	\$	
Mod Carrier Laborer	50	\$	
Painter Scaffold	800	\$	
Pipefitter, Plumber and Steamfitter	200	\$	
Refrigeration Technician	50	\$	
Sheet-metal Worker	200	\$	
Insulator	50	\$	
<b>Total Estimated Overtime</b>	<b>4,650</b>		

**MISCELLANEOUS CHARGES**

<b>MATERIALS</b>	<b>1 LO</b>	<b>\$</b>	<b>766,000.00</b>
<b>MATERIAL HANDLING % (if applicable)</b>		<b>\$</b>	
<b>SUBCONTRACTS/RENTAL</b>	<b>1 LO</b>	<b>\$</b>	<b>200,500.00</b>
<b>SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)</b>		<b>\$</b>	
<b>DATA</b>	<b>1 LO</b>	<b>NSP</b>	
*NSP = NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		<b>\$</b>	
<b>ESTIMATED CI IN 0002 BASE YEAR TOTAL**</b>		<b>\$</b>	<b>3,621,543.95</b>
** INCLUDES TOTAL ESTIMATED FIRST SHIFT, TOTAL ESTIMATED SECOND SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

Exemption (b)(4)

FIXED RATE CHART  
 CLIN 0003 (OPTION 1 - 1 JAN 01 THROUGH 31 DEC 01)

MAINTENANCE - REGULAR SHIFT

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	50,000	\$	\$
Maintenance Trades Helper (SCA 23580)	10,000	\$	\$
Water Treatment Technician (SCA 25210)	2,000	\$	\$
Electrician, Maintenance (SCA 23160)	7,500	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	9,000	\$	\$
Insulator, Maintenance (SCA 23400)	8,500	\$	\$
Sheetmetal Worker, Maintenance (SCA 23890)	2,000	\$	\$
Painter, Maintenance (SCA 23760)	4,000	\$	\$
Carpenter, Maintenance (SCA 23130)	1,000	\$	\$
<b>Total Estimated Regular Shift</b>	<b>94,000</b>		\$

MAINTENANCE - OVERTIME

Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	10,000	\$	\$
Maintenance Trades Helper (SCA 23580)	2,500	\$	\$
Water Treatment Technician (SCA 25210)	10	\$	\$
Electrician, Maintenance (SCA 23160)	2,000	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	2,000	\$	\$
Insulator, Maintenance (SCA 23400)	100	\$	\$
Sheetmetal Worker, Maintenance (SCA 23890)	1,000	\$	\$
Painter, Maintenance (SCA 23760)	1,000	\$	\$
Carpenter, Maintenance (SCA 23130)	10	\$	\$
<b>Total Estimated Overtime</b>	<b>18,620</b>		\$

MISCELLANEOUS CHARGES

MATERIALS	1 LO	\$	2,000,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACTS/RENTAL	1 LO	\$	400,000.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LO	NSP	
NSP - NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0003 OPTION 1 TOTAL**</b>		\$	5,977,466.20
** INCLUDES TOTAL ESTIMATED REGULAR SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

Exemption (b)(4)



**FIXED RATE CHART**  
**CLIN 0004 (OPTION 1 1 JAN 01 THROUGH 31 DEC 01)**

**CONSTRUCTION - FIRST SHIFT**

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Electrician	20,000	\$	
Carpenter	7,000	\$	
Bricklayer	300	\$	
Building Laborer	6,500	\$	
Head Carrier Laborer	500	\$	
Painter Scaffold	5,000	\$	
Pipefitter, Plumber and Steamfitter	10,500	\$	
Refrigeration Technician	2,500	\$	
Sheet-metal Worker	4,500	\$	
Insulator	1,000	\$	
<b>Total Estimated First Shift</b>	<b>57,800</b>		

**CONSTRUCTION - SECOND SHIFT**

Electrician	2,000	\$	
Carpenter	180	\$	
Bricklayer	160	\$	
Building Laborer	160	\$	
Head Carrier Laborer	160	\$	
Painter Scaffold	460	\$	
Pipefitter, Plumber and Steamfitter	480	\$	
Refrigeration Technician	180	\$	
Sheet-metal Worker	320	\$	
Insulator	160	\$	
<b>Total Estimated Second Shift</b>	<b>4,240</b>		

**CONSTRUCTION - OVERTIME**

Electrician	2,000	\$	
Carpenter	1,200	\$	
Bricklayer	50	\$	
Building Laborer	50	\$	
Head Carrier Laborer	50	\$	
Painter Scaffold	800	\$	
Pipefitter, Plumber and Steamfitter	200	\$	
Refrigeration Technician	50	\$	
Sheet-metal Worker	200	\$	
Insulator	50	\$	
<b>Total Estimated Overtime</b>	<b>4,050</b>		

**MISCELLANEOUS CHARGES**

MATERIALS	1 LO	\$	766,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACT/RENTAL	1 LO	\$	200,500.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LO	NSP	
*NSP = NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0004 OPTION 1 TOTAL*</b>		\$	5,527,524.15
* INCLUDES TOTAL ESTIMATED FIRST SHIFT, TOTAL ESTIMATED SECOND SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

EXEMPTION (b)(4)

FIXED RATE CHART  
CLIN 0005 (OPTION II) - 1 JAN 97 THROUGH 31 DEC 02

MAINTENANCE - REGULAR SHIFT

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	50,000	\$	\$
Maintenance Trades Helper (SCA 23580)	10,000	\$	\$
Water Treatment Technician (SCA 25210)	2,000	\$	\$
Electrician, Maintenance (SCA 23160)	7,500	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	9,000	\$	\$
Insulator, Maintenance (SCA 23400)	8,500	\$	\$
Sheetmetal Worker, Maintenance (SCA 23890)	2,000	\$	\$
Painter, Maintenance (SCA 23760)	4,000	\$	\$
Carpenter, Maintenance (SCA 23130)	1,000	\$	\$
<b>Total Estimated Regular Shift</b>	<b>94,000</b>		\$

MAINTENANCE - OVERTIME

Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	10,000	\$	\$
Maintenance Trades Helper (SCA 23580)	2,500	\$	\$
Water Treatment Technician (SCA 25210)	10	\$	\$
Electrician, Maintenance (SCA 23160)	2,000	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	2,000	\$	\$
Insulator, Maintenance (SCA 23400)	100	\$	\$
Sheetmetal Worker, Maintenance (SCA 23890)	1,000	\$	\$
Painter, Maintenance (SCA 23760)	1,000	\$	\$
Carpenter, Maintenance (SCA 23130)	10	\$	\$
<b>Total Estimated Overtime</b>	<b>18,620</b>		\$

MISCELLANEOUS CHARGES

MATERIALS	1 LO	\$	2,000,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACTS/RENTAL	1 LO	\$	400,000.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LO	NSP	
*NSP = NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0005 OPTION II TOTAL**</b>		\$	5,984,296.20
** INCLUDES TOTAL ESTIMATED REGULAR SHIFT,			
TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED			
MISCELLANEOUS CHARGES			

Exempt (b)(4)

FIXED RATE CHART  
 CLIN 0006 (OPTION N - 1 JAN 02 THROUGH 31 DEC 02)

CONSTRUCTION - FIRST SHIFT

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Electrician	20,000	\$	\$
Carpenter	7,000	\$	\$
Bricklayer	300	\$	\$
Building Laborer	6,500	\$	\$
Hod Carrier Laborer	500	\$	\$
Painter Scaffold	5,000	\$	\$
Pipefitter, Plumber and Steamfitter	10,500	\$	\$
Refrigeration Technician	2,500	\$	\$
Sheet-metal Worker	4,500	\$	\$
Insulator	1,000	\$	\$
<b>Total Estimated First Shift</b>	<b>57,800</b>		\$

CONSTRUCTION - SECOND SHIFT

Electrician	2,000	\$	\$
Carpenter	160	\$	\$
Bricklayer	160	\$	\$
Building Laborer	160	\$	\$
Hod Carrier Laborer	160	\$	\$
Painter Scaffold	480	\$	\$
Pipefitter, Plumber and Steamfitter	480	\$	\$
Refrigeration Technician	160	\$	\$
Sheet-metal Worker	320	\$	\$
Insulator	100	\$	\$
<b>Total Estimated Second Shift</b>	<b>4,240</b>		\$

CONSTRUCTION - OVERTIME

Electrician	2,000	\$	\$
Carpenter	1,200	\$	\$
Bricklayer	50	\$	\$
Building Laborer	50	\$	\$
Hod Carrier Laborer	50	\$	\$
Painter Scaffold	800	\$	\$
Pipefitter, Plumber and Steamfitter	200	\$	\$
Refrigeration Technician	50	\$	\$
Sheet-metal Worker	200	\$	\$
Insulator	50	\$	\$
<b>Total Estimated Overtime</b>	<b>4,650</b>		\$

MISCELLANEOUS CHARGES

MATERIALS	1 LO	\$	706,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACTS/RENTAL	1 LO	\$	200,500.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LO	NSP	
NSP - NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0006 OPTION N TOTAL**</b>		\$	<b>3,533,937.75</b>
** INCLUDES TOTAL ESTIMATED FIRST SHIFT, TOTAL ESTIMATED SECOND SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

Exemption (b)(4)

**FIXED RATE CHART**  
**CLIN 0007 (OPTION III - 1 JAN 03 THROUGH 31 DEC 03)**

**MAINTENANCE - REGULAR SHIFT**

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	50,000	\$	\$
Maintenance Trades Helper (SCA 23580)	10,000	\$	\$
Water Treatment Technician (SCA 25210)	2,000	\$	\$
Electrician, Maintenance (SCA 23160)	7,500	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	9,000	\$	\$
Insulator, Maintenance (SCA 23400)	8,500	\$	\$
Sheetmetal Worker, Maintenance (SCA 23890)	2,000	\$	\$
Painter, Maintenance (SCA 23760)	4,000	\$	\$
Carpenter, Maintenance (SCA 23130)	1,000	\$	\$
<b>Total Estimated Regular Shift</b>	<b>94,000</b>		\$

**MAINTENANCE - OVERTIME**

Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	10,000	\$	\$
Maintenance Trades Helper (SCA 23580)	2,500	\$	\$
Water Treatment Technician (SCA 25210)	10	\$	\$
Electrician, Maintenance (SCA 23160)	2,000	\$	\$
Steamfitter/Welder, Maintenance (SCA 23790)	2,000	\$	\$
Insulator, Maintenance (SCA 23400)	100	\$	\$
Sheetmetal Worker, Maintenance (SCA 23890)	1,000	\$	\$
Painter, Maintenance (SCA 23760)	1,000	\$	\$
Carpenter, Maintenance (SCA 23130)	10	\$	\$
<b>Total Estimated Overtime</b>	<b>18,620</b>		\$

**MISCELLANEOUS CHARGES**

<b>MATERIALS</b>	<b>1 LO</b>	\$	2,000,000.00
<b>MATERIAL HANDLING % (if applicable)</b>		\$	
<b>SUBCONTRACTS/RENTAL</b>	<b>1 LO</b>	\$	400,000.00
<b>SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)</b>		\$	
<b>DATA</b>	<b>1 LO</b>	NSP	
*NSP = NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0007 OPTION III TOTAL**</b>		\$	5,990,716.20
** INCLUDES TOTAL ESTIMATED REGULAR SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

Exempted (b)(4)

**FIXED RATE CHART**  
**CLIN 0008 (OPTION III - 1 JAN 03 THROUGH 31 DEC 03)**

**CONSTRUCTION - FIRST SHIFT**

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Electrician	20,000	\$	
Carpenter	7,000	\$	
Bricklayer	300	\$	
Building Laborer	6,500	\$	
Hot Carrier Laborer	500	\$	
Painter Scaffold	5,000	\$	
Pipefitter, Plumber and Steamfitter	10,500	\$	
Refrigeration Technician	2,500	\$	
Sheet-metal Worker	4,500	\$	
Insulator	1,000	\$	
<b>Total Estimated First Shift</b>	<b>57,800</b>		

**CONSTRUCTION - SECOND SHIFT**

Electrician	2,000	\$	
Carpenter	180	\$	
Bricklayer	160	\$	
Building Laborer	160	\$	
Hot Carrier Laborer	160	\$	
Painter Scaffold	480	\$	
Pipefitter, Plumber and Steamfitter	480	\$	
Refrigeration Technician	160	\$	
Sheet-metal Worker	320	\$	
Insulator	160	\$	
<b>Total Estimated Second Shift</b>	<b>4,240</b>		

**CONSTRUCTION - OVERTIME**

Electrician	2,000	\$	
Carpenter	1,200	\$	
Bricklayer	50	\$	
Building Laborer	50	\$	
Hot Carrier Laborer	50	\$	
Painter Scaffold	800	\$	
Pipefitter, Plumber and Steamfitter	200	\$	
Refrigeration Technician	50	\$	
Sheet-metal Worker	200	\$	
Insulator	50	\$	
<b>Total Estimated Overtime</b>	<b>4,650</b>		

**MISCELLANEOUS CHARGES**

MATERIALS	1 LO	\$	766,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACTS/RENTAL	1 LO	\$	200,500.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LOT	NSP	
NSP - NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0008 OPTION III TOTAL**</b>		\$	3,548,219.55
** INCLUDES TOTAL ESTIMATED FIRST SHIFT, TOTAL ESTIMATED SECOND SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

Exemption (b)(4)

FIXED RATE CHART  
CLIN 0009 (OPTION IV - 1 JAN 04 THROUGH 31 DEC 04)

MAINTENANCE - REGULAR SHIFT

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	50,000	\$	
Maintenance Trades Helper (SCA 23580)	10,000	\$	
Water Treatment Technician (SCA 25210)	2,000	\$	
Electrician, Maintenance (SCA 23160)	7,500	\$	
Steamfitter/Welder, Maintenance (SCA 23790)	9,000	\$	
Insulator, Maintenance (SCA 23400)	8,500	\$	
Sheetmetal Worker, Maintenance (SCA 23890)	2,000	\$	
Painter, Maintenance (SCA 23760)	4,000	\$	
Carpenter, Maintenance (SCA 23130)	1,000	\$	
<b>Total Estimated Regular Shift</b>	<b>94,000</b>		<b>\$</b>

MAINTENANCE - OVERTIME

Heating/Refrigeration/Air Conditioning Mechanic (SCA 23400)	10,000	\$	
Maintenance Trades Helper (SCA 23580)	2,500	\$	
Water Treatment Technician (SCA 25210)	10	\$	
Electrician, Maintenance (SCA 23160)	2,000	\$	
Steamfitter/Welder, Maintenance (SCA 23790)	2,000	\$	
Insulator, Maintenance (SCA 23400)	100	\$	
Sheetmetal Worker, Maintenance (SCA 23890)	1,000	\$	
Painter, Maintenance (SCA 23760)	1,000	\$	
Carpenter, Maintenance (SCA 23130)	10	\$	
<b>Total Estimated Overtime</b>	<b>18,620</b>		<b>\$</b>

MISCELLANEOUS CHARGES

MATERIALS	1 LO	\$	2,000,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACT RENTAL	1 LO	\$	400,000.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LO	NSP	
*NSP - NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0009 OPTION IV TOTAL**</b>		\$	<b>5,997,441.20</b>
** INCLUDES TOTAL ESTIMATED REGULAR SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

Exemption (b)(4)

**FIXED RATE CHART**  
**CLIN 0010 (OPTION IV) 1 JAN 84 THROUGH 31 DEC 84**

**CONSTRUCTION - FIRST SHIFT**

LABOR CATEGORY	ESTIMATED HRS	HOURLY RATE	ESTIMATED TOTAL
Electrician	20,000	\$	
Carpenter	7,000	\$	
Bricklayer	900	\$	
Building Laborer	6,500	\$	
Hod Carrier Laborer	500	\$	
Painter Scaffold	5,000	\$	
Pipefitter, Plumber and Steamfitter	10,500	\$	
Refrigeration Technician	2,500	\$	
Sheet Metal Worker	4,500	\$	
Insulator	1,000	\$	
<b>Total Estimated First Shift</b>	<b>57,600</b>		

**CONSTRUCTION - SECOND SHIFT**

Electrician	2,000	\$	
Carpenter	160	\$	
Bricklayer	160	\$	
Building Laborer	160	\$	
Hod Carrier Laborer	160	\$	
Painter Scaffold	160	\$	
Pipefitter, Plumber and Steamfitter	480	\$	
Refrigeration Technician	160	\$	
Sheet Metal Worker	320	\$	
Insulator	160	\$	
<b>Total Estimated Second Shift</b>	<b>4,240</b>		

**CONSTRUCTION - OVERTIME**

Electrician	2,000	\$	
Carpenter	1,200	\$	
Bricklayer	50	\$	
Building Laborer	50	\$	
Hod Carrier Laborer	50	\$	
Painter Scaffold	800	\$	
Pipefitter, Plumber and Steamfitter	200	\$	
Refrigeration Technician	50	\$	
Sheet Metal Worker	200	\$	
Insulator	50	\$	
<b>Total Estimated Overtime</b>	<b>4,650</b>		

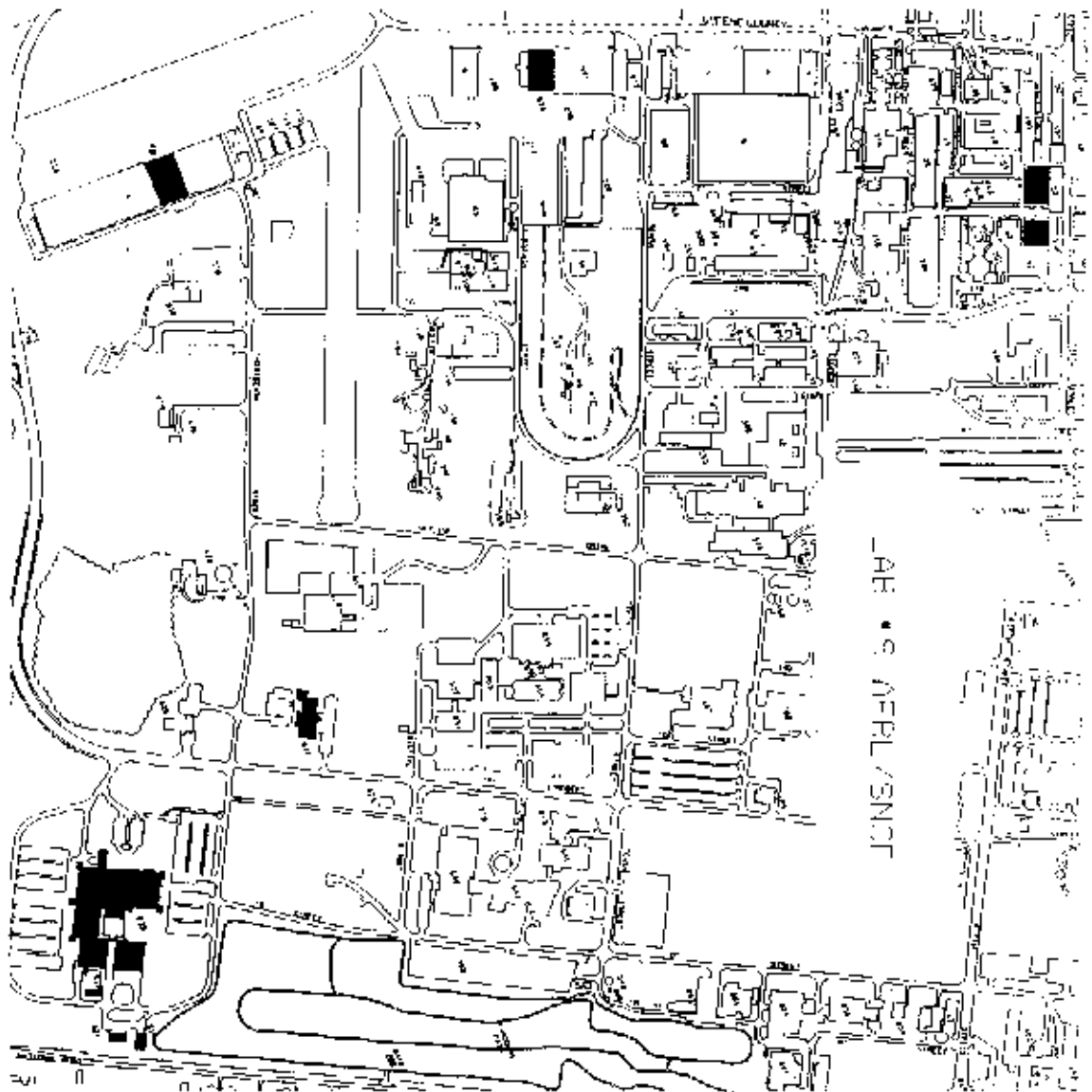
**MISCELLANEOUS CHARGES**

MATERIALS	1 LO	\$	765,000.00
MATERIAL HANDLING % (if applicable)		\$	
SUBCONTRACTS/RENTAL	1 LO	\$	200,500.00
SUBCONTRACTING SERVICES HANDLING CHARGE (if applicable)		\$	
DATA	1 LO	NSP	
NSP - NOT SEPARATELY PRICED			
<b>Total Estimated Miscellaneous Charges</b>		\$	
<b>ESTIMATED CLIN 0010 OPTION IV TOTAL**</b>		\$	3,540,630.15
** INCLUDES TOTAL ESTIMATED FIRST SHIFT, TOTAL ESTIMATED SECOND SHIFT, TOTAL ESTIMATED OVERTIME, AND TOTAL ESTIMATED MISCELLANEOUS CHARGES			

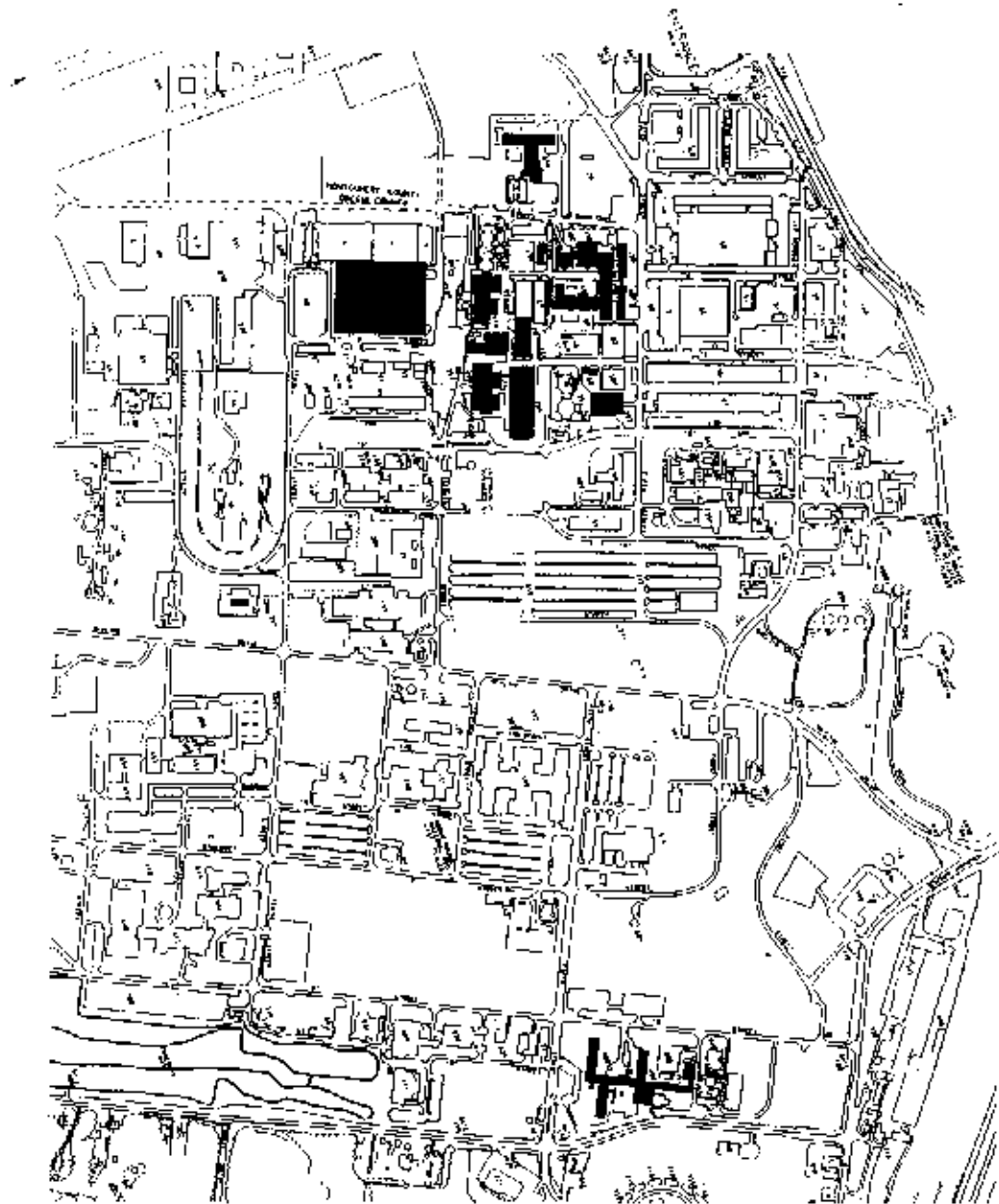
Exemption (b)(4)

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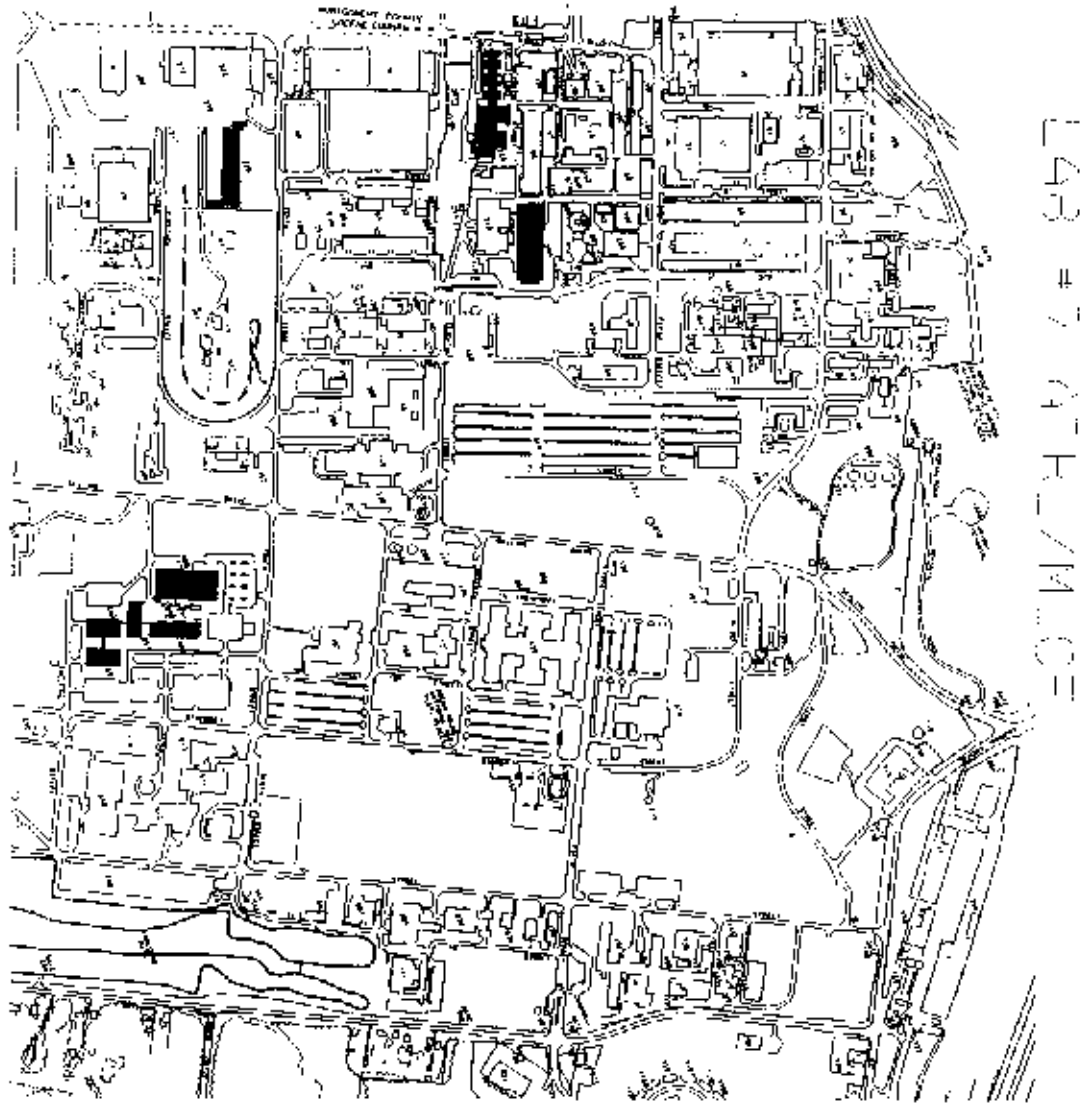
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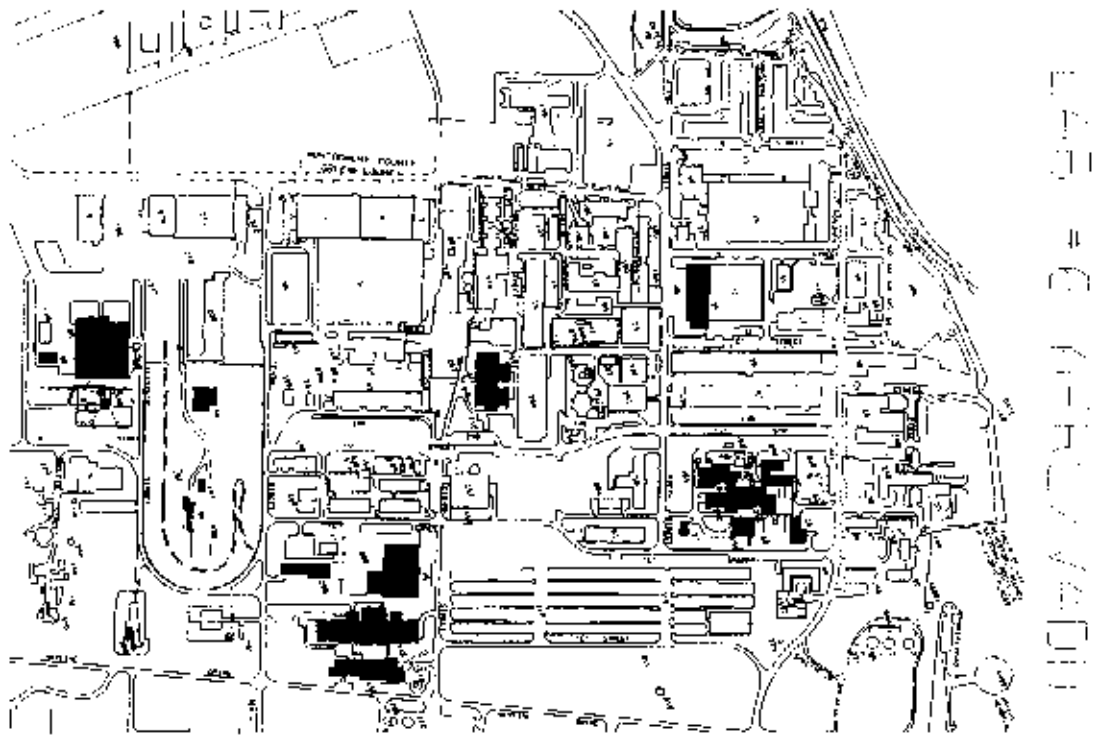


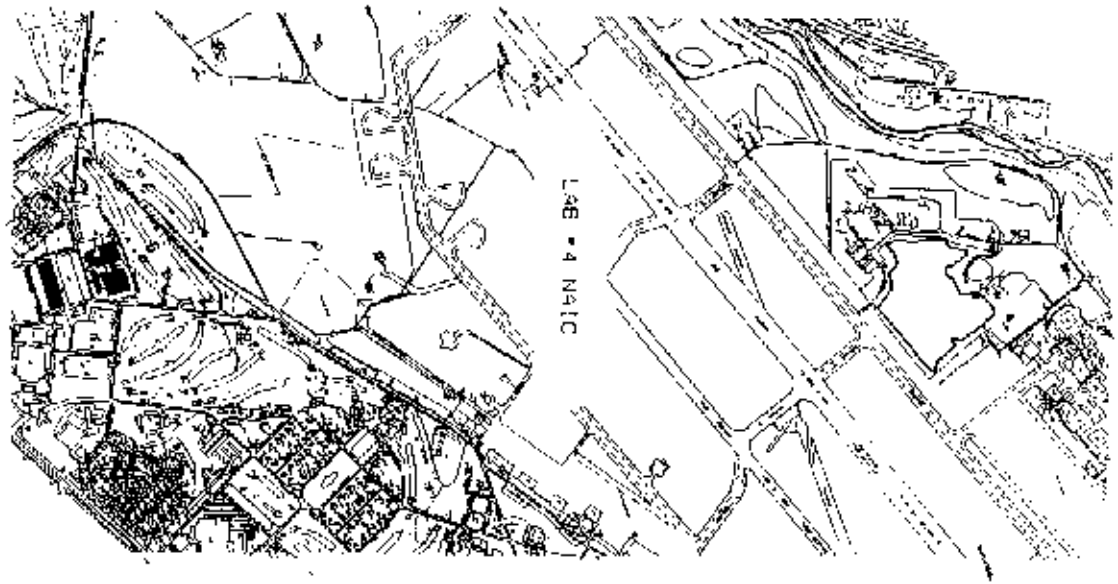


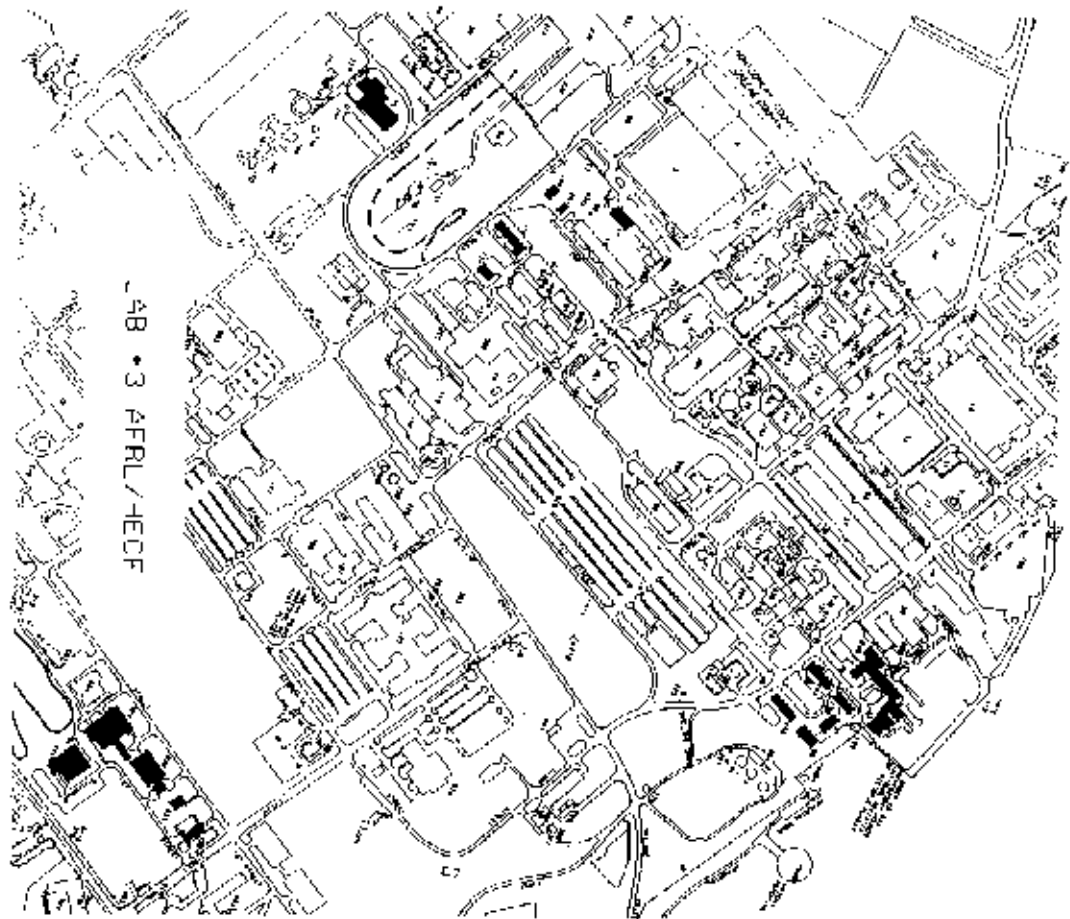


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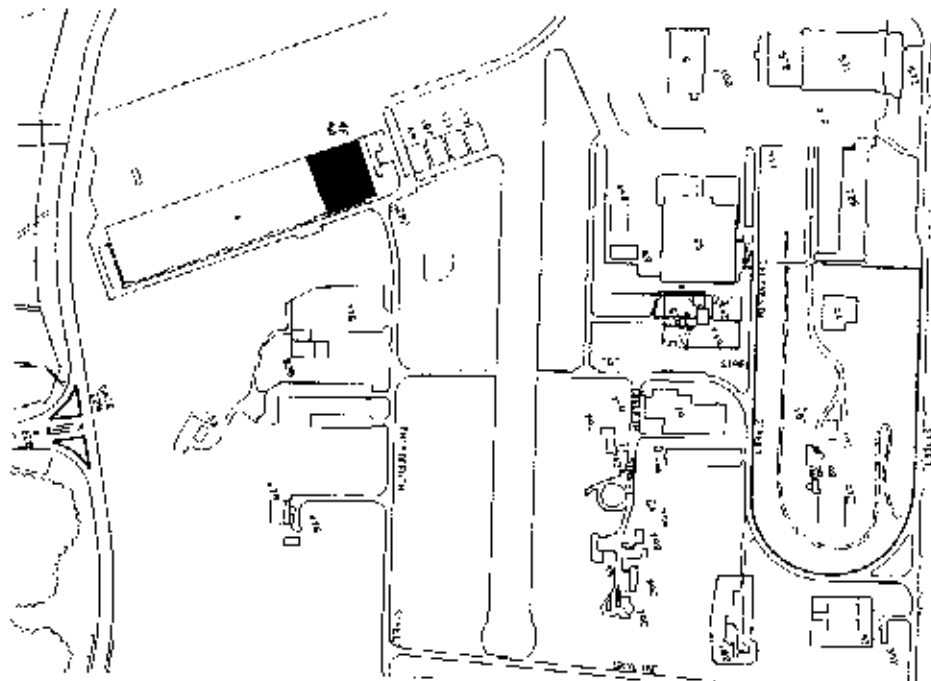








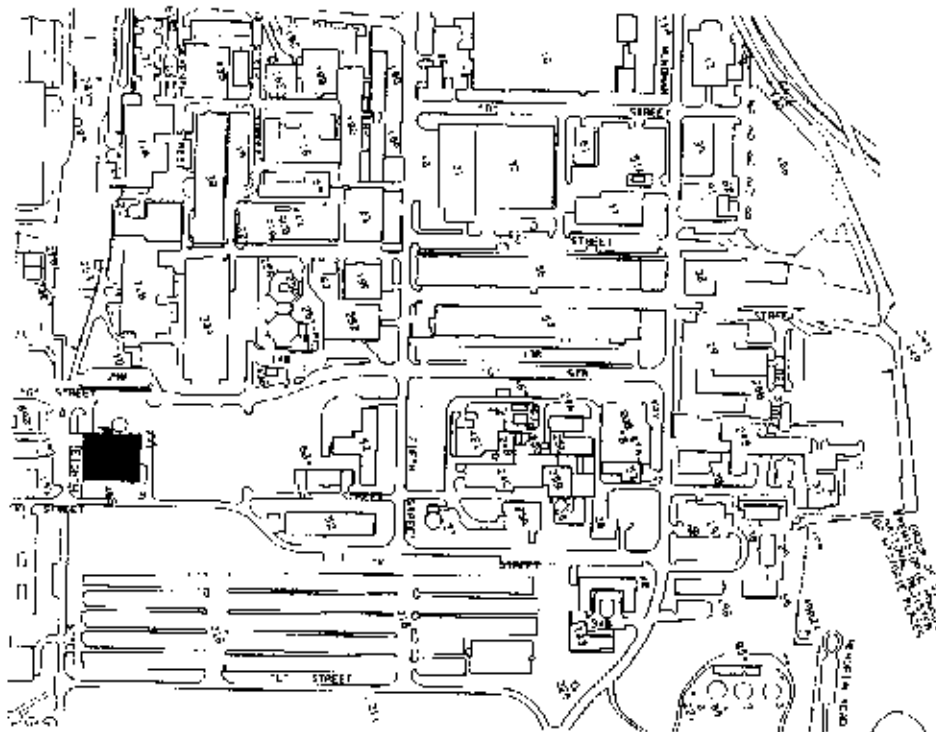
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**APPENDIX A**

**SOLICITATION F33601-98-R-9033**

**PERFORMANCE WORK STATEMENT**

**CIVIL ENGINEER SUPPORT TO SYSTEMS ACQUISITION  
AND RESEARCH AND DEVELOPMENT ACTIVITIES**

**WRIGHT-PATTERSON AIR FORCE BASE, OHIO**

**9 AUGUST 1999**



**SECTION C  
PERFORMANCE WORK STATEMENT  
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## **F. PERFORMANCE WORK STATEMENT**

### **CIVIL ENGINEERING SUPPORT TO SYSTEMS ACQUISITION AND RESEARCH AND DEVELOPMENT ACTIVITIES**

#### **SECTION C-1**

##### **GENERAL**

**1.1. SCOPE OF WORK.** The contractor shall provide all personnel, equipment, tools, materials, supervision, and other items and services necessary to perform civil engineering support as defined in this Performance Work Statement (PWS), except as specified in section C-3 as government furnished property and services, for the organizations located at Wright-Patterson Air Force Base, Ohio. These organizations include, but are not limited to, Aeronautical Systems Center's System Program Offices, Air Force Research Laboratories, 88 Air Base Wing Organizations, National Air and Intelligence Center, and their successors. Additional organizations may be included subject to the approval of the Contracting Officer. The contractor shall perform to the standards in this contract. Support services fall into the categories of construction, maintenance, and subcontracted services, and shall be accomplished using limited plans, drawings, specifications, or sketches. Architect-Engineer design services will not be performed under this contract.

1.1.1. A construction labor force capable of rapid expansion or draw-down of its direct labor force is required to provide rapid response to support changes in programs and technical requirements. These efforts involve installing, modifying, and repairing various facilities and equipment.

1.1.2. A maintenance labor force is required to provide recurring preventive maintenance, repair, replacement, installation of equipment and mechanical rooms, and provide water treatment and analysis.

1.1.3. A hazardous waste and material management program shall be provided by the contractor in accordance with Section C-5.C (PWS - Environmental Requirements).

#### **1.2. CONTRACTOR PERSONNEL:**

**1.2.1. Contract Manager (CM).** The contractor shall provide a CM who shall be responsible for the performance of the work. The name of this person and alternate(s), who shall act for the contractor when the CM is absent, shall be designated in writing to the Contracting Officer (CO). The contractor shall provide telephone numbers of the CM and alternate(s) where these persons may be contacted outside of normal work hours.

1.2.1.1. The CM or alternate(s) shall have full authority to act for the contractor on the installation and possess full contractual signatory authority.

1.2.1.2. The CM or alternate(s) shall be on-site during normal work hours and available within one (1) hour to meet with government personnel designated by the CO to discuss problem areas. After normal work hours, the CM or alternate(s) shall be available within two (2) hours of verbal notification.

1.2.1.3. The CM, alternate(s), and supervisory personnel must be able to read, write, speak, and understand English.

**1.2.2. Contractor Employees.** The contractor shall not employ persons for work on this contract if such employee is identified to the contractor by the CO as a potential threat to the health, safety, security, general well-being or operational mission of the installation and its population.

1.2.2.1. Contractor personnel shall be easily recognized. The contractor shall furnish an identifying badge, which shall include as a minimum, the word "contractor" in at least 3/8 inch letters, the person's name, and the name of the contractor. Each employee shall wear the badge on the outer clothing on the front of the body between the neck and waist so that the badge is visible at all times except when the work being performed prohibits it.

1.2.2.2. The contractor shall ensure that employees have any current and valid licenses or certifications necessary to perform their functions (i.e., driver's licenses, welder's certification, etc.) prior to starting work under this contract. Any cost or time associated with obtaining licenses or certifications shall be at no cost to the government.

1.2.2.3. The contractor shall not employ any person who is an employee of the United States Government if the employment of that person would create a conflict of interest, nor shall the contractor employ any person who is an employee of the Department of the Air Force, either military or civilian, unless such person seeks and receives approval from appropriate government authority. In addition, the contractor shall not employ any person who is an employee of the Department of the Air Force if such employment would be contrary to the policies contained in AFI 64-106.

1.2.2.4. The contractor is cautioned that off duty government personnel hired under this contract may be subject to permanent change of station, change in duty hours, or deployment. Military reservists and National Guard members may be subject to recall to active duty. The abrupt absence of these personnel could adversely affect the contractor's ability to perform. Their absence at any time shall not constitute an excuse for nonperformance under this contract.

1.2.2.5. The contractor is prohibited from employing off duty quality assurance evaluators (QAEs) who are surveilling any contracts/subcontracts awarded to the contractor.

1.2.2.6. **Control of Contractor Employees.** The selection, assignment, reassignment, transfer, supervision, management, and control of contractor employees in performance of this contract shall be the responsibility and prerogative of the contractor; however, the contractor shall comply with the requirements set forth in this PWS. When the CO directs, the contractor shall restrict the employment under the contract or remove from performance on the contract any person who is identified as a potential threat to the health, safety, security, or operational mission of the installation and its population or fails to meet minimum requirements.

1.2.2.7. Contractor personnel shall be knowledgeable of and comply with State of Ohio and base directives pertaining to operation of privately and contractor owned/leased vehicles on Wright-Patterson AFB.

1.2.2.8. **Environmental Manager (EM).** The CM shall appoint an environmental manager and alternate, within 15 days after start of the operational performance period, to ensure environmental compliance on behalf of the contractor. The name of this person and their alternate, who shall be responsible for environmental compliance when the EM is absent, shall be designated in writing to the CO and to 88 ABW/EM. The EM and alternate must be able to read, write, speak, and understand English.

1.2.2.9. **Hazard Communication Coordinator (HCC):** The contractor shall appoint and identify to the CO, within 15 days after the start of the operational performance period, a Hazard Communication Coordinator (HCC) and an alternate. The government shall be immediately notified of any change of HCC personnel during the life of this contract. The HCC shall serve as the contractor liaison to the 74 AMDS/SGPB, Bioenvironmental Engineering Office, for issues concerning compliance with the Federal Hazard Communication Program (29 CFR 1910.1200) and Occupational Exposure to Hazardous Chemicals in Laboratories (29 CFR 1910.1450). The HCC will ensure a copy of all elements of these standards (to include chemical inventories and manufacturer-specific Material Safety Data Sheets) are provided to 74 AMDS/SGPB and updated annually. The HCC and alternate must be able to read, write, speak, and understand English.

### **1.2.3. Security Requirements.**

1.2.3.1. The CM or alternate shall complete a "Request for Identification Credential (AFMC Form 496)" for each employee of the contractor requiring access to Wright Patterson Air Force Base. The requests shall be submitted to Pass and Registration, Building 286, Area C. The government will provide a completed "Identification Credential (AFMC Form 387)," which shall be issued, displayed and surrendered as directed in AFI 31-209, *The Air Force Resource Protection Program*.

**1.2.4. Employee Training.** The CTR shall ensure that employees stay proficient and current in their area(s) of responsibility.

**1.2.5. Top Management Meetings.** Meetings may periodically be held between top level base personnel and contractor management to discuss contract status. The CO shall notify the contractor in writing at least 5 days in advance of the place and time of required meetings.

### **1.2.6. Administrative Personnel Qualifications**

1.2.6.1. The CM shall have a Bachelor of Science degree in engineering or management with at least five (5) years experience in management/supervision, or at least ten (10) years experience in management/supervision, with no degree.

1.2.6.2. Three (3) construction project managers shall be provided on a full-time basis at the Wright-Patterson AFB contractor office, including:

1.2.6.2.1. A mechanical engineer with a minimum Bachelor Of Science degree in Mechanical Engineering and at least five (5) years engineering experience in the construction field.

1.2.6.2.2. An electrical engineer with a minimum Bachelor of Science degree in Electrical Engineering and at least five (5) years engineering experience in the construction field.

1.2.6.2.3. An engineer or architect with a minimum Bachelor of Science degree and at least five (5) years experience in the construction field, or a person with at least ten (10) years experience in the construction field including at least five (5) years of construction supervision/project management.

1.2.6.3. One (1) maintenance superintendent shall be provided on a full-time basis with at least ten (10) years experience in the maintenance of heating, ventilation, and air conditioning equipment including at least five (5) years of supervisory/management experience.

1.2.6.4. The EM shall have a minimum of three (3) years experience in environmental management. The alternate EM shall have a minimum of one (1) year of experience in environmental management.

### **1.2.7. Labor Personnel Requirements.**

1.2.7.1. The contractor shall provide workers who are qualified and have sufficient skills to perform requirements of the PWS.

**1.2.8. Water Treatment Specialist.** The contractor shall provide the services of a water treatment specialist with a minimum of five (5) years experience in water treatment and analysis.

### 1.3. QUALITY CONTROL.

**1.3.1. Quality Control Program.** The contractor shall establish and maintain a quality control plan to ensure the requirements of the contract are provided as specified. A finalized version of the quality control plan submitted with the technical proposal shall be provided (Data Item No. E001). The quality control plan is subject to non-acceptance by the CO and revision required by the contractor at no additional cost to the government to ensure quality service. Contractor compliance with the quality control plan will be monitored by the government. The quality control plan shall include, but not be limited to, the following:

**1.3.1.1. Inspection System.** An inspection system covering the services in this PWS. It must specify the areas to be inspected on either a scheduled or unscheduled basis, how often inspections will be accomplished, and the titles of the individuals who will perform the inspections.

**1.3.1.2. Deficiency Prevention.** A method for identifying and preventing deficiencies and their causes in the quality of service performed before the level of performance becomes unacceptable.

**1.3.1.3. Inspection Files.** On-site records of all inspections conducted by the contractor and the necessary corrective action taken. This documentation shall be made available to the government during the term of this contract.

**1.3.1.4. Key Control Procedures.** See paragraphs 1.5.1, 1.5.1.1, 1.5.1.2, and 1.5.1.3 below for specific requirements.

**1.4. QUALITY ASSURANCE.** The government shall evaluate the contractor's performance under this contract using quality assurance techniques. All surveillance observations will be recorded by the government. When an observation indicates defective performance, the Contract Functional Manager (CFM) or Quality Assurance Evaluator (QAE) shall request the contractor's representative to initial the observation indicating acknowledgment of deficiency. The CM shall provide a response to the CFM, within five (5) workdays, as to the corrective action required/taken to correct the deficiency.

**1.4.1. Performance Evaluation Meetings.** The contract manager (CM) shall be required to meet with the CO and CFM as often as necessary as determined by the CO. However, if the contractor requests, a meeting will be held whenever a Contract Discrepancy Report is issued. Government personnel will provide written minutes of all performance evaluation meetings which shall be signed by the CM, CO, and CFM. Should the contractor not concur with the minutes, the contractor shall so state any areas of non-concurrence in writing to the CO within ten (10) calendar days of receipt of the signed minutes.

**1.4.2 Contract Functional Manager (CFM) and Quality Assurance Evaluators (QAEs).**

**1.4.2.1.** The CFM and QAEs will be representatives of the CO and will participate in the administration of this contract except where exemptions have been approved by the Functional Area Chief and the CO. Five (5) workdays following contract award, the identities of the CFM and QAEs with a brief resume of their duties and authority will be furnished to the contractor, in writing.

**1.4.2.2.** The CFM or QAEs will inform the CM in person when discrepancies occur and will request corrective action. The CFM or QAEs will make a notation of the discrepancy on their surveillance report with the date and time the discrepancy was noted and will request the CM or authorized representative to initial the entry on the checklist.

**1.4.2.3.** Any matter concerning a change to the scope, prices, terms, or conditions of this contract shall be referred to the CO and not to the CFM or QAEs.

1.4.2.4. The services to be performed by the contractor during the period of this contract shall be subject to review at all times and places by the CO or authorized representatives.

**1.5. PHYSICAL SECURITY.** The contractor shall be responsible for safeguarding all government property provided for contractor use. The contractor shall provide protection to government property to prevent damage during the period of time the property is under the control or in possession of the contractor. At the close of each work period, government facilities, property, and materials shall be secured. The contractor shall conform to the provisions of AFI 31-209 and base directives, the Resources Protection Program, for safeguarding the government furnished facilities and material contained therein. Lost or stolen items shall be reported to the Base Security Force and replaced by the contractor at no cost to the Government.

**1.5.1. Key Control.** The contractor shall establish and implement methods of ensuring that all keys issued to the contractor by the government are not lost or misplaced and are not used by unauthorized persons. No keys issued to the contractor by the government shall be duplicated. The contractor shall develop procedures covering key control that shall be included in the Quality Control Plan. Such procedures shall include turn-in of any issued keys by personnel who no longer require access to locked areas.

**1.5.1.1.** The contractor shall report any occurrence of a lost key to the CO and QAE.

**1.5.1.2.** In the event keys, other than master keys, are lost, the contractor shall, upon direction of the CO, re-key or replace any affected lock; however, the government, at its option, may replace any affected lock or perform re-keying. When the replacement of locks or re-keying is performed by the government, the total cost of re-keying or replacement may be deducted from payment due the contractor. In the event a master key is lost, all locks and keys for that system will be replaced by the government and the total cost deducted from payment due the contractor.

**1.5.1.3.** The contractor shall prohibit the use of government issued keys by any persons other than the contractor's employees and/or subcontractors. The contractor shall prohibit the opening of locked areas by the contractor's employees and/or subcontractors to permit entrance of persons other than the contractor's employees and/or subcontractors engaged in the performance of assigned work in those areas or personnel authorized entrance by the CO.

**1.5.2 Lock Combinations.** The contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations. These procedures shall be included in the contractor's Quality Control Plan.

## **1.6. HOURS OF OPERATION**

**1.6.1. Normal Work Hours.** The contractor shall perform work during the following hours: 0730 to 1615, Monday through Friday, except recognized holidays. The contractor may be required to work overtime, with prior approval of the CO, to ensure timely completion of work.

**1.6.1.1. Federal Holidays. RESERVED.** (See Clause G-445, Contract Holidays)

**1.6.2. Emergency Services.** On occasion, services may be required to support an activation or exercise of contingency plans outside the normal duty hours described above. The contractor's responsibilities for emergency support are described in Section C-5.

**1.6.3. Reserved.**

**1.6.4. Other Than Normal Work Hours.** The contractor may be required to work a second shift crew, with prior approval of the CO, to ensure timely completion of work. Second shift will not be used unless there is a minimum of 80 hours of work. These crews shall perform work during the following hours: 1545 to 0030, Monday through Friday, except recognized holidays. Overtime will be used for more than 40 hours a week.

**1.6.5. Base Closure/Delay Notification Procedures.** The authority to close/delay the base rests with the base commander or his designated representative. After an official decision to close or delay work reporting times has been made by the WPAFB Base Commander, the local radio or television stations will be notified of the closure/delay. The Contractor will not receive any other form of notification of base closure from the Government. The Contractor shall notify his or her employees. The Contractor shall still be responsible for emergency work.

**1.6.6. Exercises.** The Contractor personnel shall participate in base emergency and disaster recovery exercises, as tasked in host-tenant agreements and installation Plans.

**1.7. CONSERVATION OF UTILITIES.** The contractor shall instruct employees in utilities conservation practices. The contractor shall be responsible for operating under conditions which preclude the waste of utilities, which shall include the following:

**1.7.1. Lights** shall be used only in areas where and when work is actually being performed, except for safety requirements.

**1.7.2. Mechanical equipment controls** for heating, ventilation, and air conditioning systems shall not be adjusted by the contractor or by contractor employees unless authorized.

**1.7.3. Water faucets or valves** shall be turned off after the required usage has been accomplished. Dripping faucets, running toilets, etc., shall be immediately reported to the QAE for repair.

**1.8. RECORDS.** The contractor shall be responsible for creating, maintaining, and disposing of only those government required records that are specifically cited in this PWS or required by the provisions of a mandatory directive listed in Section C-6, Applicable Publications and Forms. If requested by the government, the contractor shall provide the original record, or a reproducible copy of any such record within 5 workdays of receipt of the request.

#### **1.9. ENVIRONMENTAL CONTROLS:**

**1.9.1. Compliance with Laws and Regulations.** The contractor shall be knowledgeable of and comply with all applicable interstate, Federal, State, and local laws, regulations, and requirements regarding environmental protection. In the event environmental laws/regulations change during the term of this contract, the contractor is required to comply as such laws come into effect. If there is an increase or decrease in cost as a result of the change, the contractor shall inform the CO pursuant to notice requirements of FAR 52.243-7 and negotiate a modification to the contract.

**1.9.2. Notification of Environmental Spills.** If the contractor spills or releases any substance contained in 40 CFR 302 into the environment, the contractor or its agent shall immediately report the incident to Emergency Response at 911. The liability for the spill or release of such substances rests solely with the contractor and its agent.

**1.9.3. Material Storage and Use.** The contractor shall follow manufacturer's guidelines and professional recommendations for control of humidity, temperature, cleanliness, and materials handling. This includes hazardous materials.

**1.10. GOVERNMENT OBSERVATIONS.** Government personnel, other than the CO, CFM and QAEs, may observe or inspect contractor operations with CO approval. However, these personnel may not interfere with contractor performance or give direction to the contractor. Environmental management personnel will perform periodic inspections of contractor facilities and operations and may give direction to the contractor through the CO.



**1.11. SAFETY AND OCCUPATIONAL HEALTH REQUIREMENTS.** In the performance of this contract, the contractor shall conform to the safety and occupational health requirements contained in this contract and take such additional immediate precautions as the CO may reasonably require for safety and mishap prevention purposes. All subcontracts shall include a clause to require subcontractors to comply with the safety provisions of this contract.

1.11.1 The contractor shall record and report within one (1) hour of occurrence to the CO, CFM, or QAE all available facts relating to each instance of damage to government property or injury to either contractor, subcontractor or government personnel.

1.11.2. In the event of an accident or mishap, the contractor shall take prudent and reasonable action to establish control of the accident or mishap scene until relieved by the CO, CFM, or an investigative authority (Base Security Force or Base Fire Department). If the government elects to conduct an investigation of the accident or mishap, the contractor and/or subcontractor shall cooperate fully and assist government personnel in the conduct of investigation until the investigation is completed.

**1.11.3 Government Required Tests.** The government requires and will provide a tuberculosis test and a blood sample for all contractor maintenance personnel, including the foreman, regularly assigned to applicable animal laboratory buildings. The tuberculosis test is used to protect the lab animals from infection, and the blood sample is used as a baseline for diagnosis if maintenance personnel become ill. (NOTE. This is only a precaution due to the proximity of the animals; at no time will contractor personnel be required to handle lab animals.) Within ten (10) workdays after contract award, the contractor shall provide to the CFM the names of maintenance personnel scheduled to work in the applicable animal laboratory buildings. Thereafter, the contractor shall notify the CFM of any changes made to this Lab's maintenance personnel. The Lab monitor will schedule the tests during work hours for the maintenance personnel. Contractor and/or subcontractor personnel shall be precluded from working in the animal laboratory buildings prior to clearance by government medical personnel.

**1.12. ORIENTATION PERIOD - RESERVED.** (See Clause I-479, Continuity of Services)

**1.13. PHASE OUT - RESERVED.** (See Clause I-479, Continuity of Services)

**1.14. FIRE PROTECTION, WELDING AND CUTTING.** The contractor shall obtain a burn permit from the Fire Protection Branch, extension 937-257-4075, within 24 hours, prior to any welding, cutting, or soldering operations. The contractor shall be responsible to ensure all fire detection/suppression systems are turned-off prior to performing any welding, cutting, or soldering operations.

1.14.1. Each welding or cutting unit shall be equipped with a compatible fire extinguisher provided by the contractor. Fire extinguishers listed or approved by a nationally recognized testing laboratory shall be used. Fire extinguishers shall be suitably placed, distinctly marked, readily accessible, and maintained in a fully charged and operable condition. Halon or other ozone depleting chemical fire extinguishers are not acceptable.

1.14.2. The contractor shall provide approved fire blankets as warranted by the operations involved.

1.14.3. No fire shall be fought where there is imminent danger of contact with explosives. No person shall be required to stay and perform any fire fighting if in that person's judgment, immediate and dire hazards mandate immediate departure. All persons shall be removed to a safe area and the fire area guarded against intruders.

1.14.4. All welding and cutting equipment and operations shall be in accordance with standards and recommended practices of the American Welding Society, Safety in Welding and Cutting, American National Standards Institute, and the recommendations of the National Fire Protection Association and procedures contained in AFOSH Standard 127-5 and WPAB 32-2001.

1.15. **MATERIAL DISPOSAL.** Removed real property and/or equipment, as identified by drawings or in writing by a QAE, shall be processed through the base recycling center or DRMO, Bldg. 89, Area C, unless exchange of same will reduce purchase cost of replacement items. All such exchanges shall be submitted in writing and approved in advance by a QAE after real property records have been changed. All dirt, broken concrete, and stone materials shall be loaded, transported, and deposited off-base at a clean fill site (for suspected contaminated soil). Nonsalvageable combustible scraps of materials, such as wood, fiberboard, roofing felts, insulation, paper, etc. shall be disposed of using subcontracted dumpsters. Dumpsters at project sites shall be billed to the respective Delivery Order. Dumpsters at the contractor's shop area shall be billed to the maintenance Delivery Order applicable to the shop facility. All noncombustible materials such as piping, fittings, conduit galvanized and aluminum, electrical wire (copper or aluminum), all metals, cast iron, etc. shall be deposited in the recycling bins provided by Air Force recycling programs. The contractor shall support Air Force recycling programs. Wright-Patterson AFB highly promotes and endorses the base Recycling Program that is administrated by 88 ABW/EM. During any construction or maintenance activities performed as part of this contract the contractor shall recycle as many of the residual items as possible either through the base recycling center, Bldg. 293, Area A, or local recycling centers. All weights of material (dirt, concrete, stone, wood, fiberboard, etc.) going to a concrete and dirt (C&D) landfill shall be reported to 88 ABW/EM. For information concerning the base recycling program contact 88 ABW/EM, Bill Meinerding, at 937-257-2057, ext. 218.

## SECTION C-2

### DEFINITIONS

#### 2.1. DEFINITIONS AND ABBREVIATIONS.

2.1.1. **Defective Service.** A service output that does not meet the standard of performance specified in the contract for that service.

2.1.2. **Lot.** The total number of service outputs in a surveillance period, as defined in the Performance Requirements (PR) column of the PRS.

2.1.3. **Performance Requirement.** The point that divides acceptable and unacceptable performance of a task according to the PRS and the Inspection of Services clause. In the case of surveillance by random sampling, the PR is the maximum number of defectives in the random sample chosen that may occur before the government will effect the price computation system according to the PRS and the Inspection of Services clause. When the method of surveillance is other than random sampling, the PR is the number of defectives or maximum percent defective in the lot before the government will effect the price computation system according to the PRS and the Inspection of Services clause.

2.1.4. **Performance Requirements Summary (PRS).** A listing of the service outputs under the contract that are to be evaluated by the government QAE on a regular basis to assure contract performance standards are met by the contractor, the surveillance methods to be used for these outputs, and the PR of the listed outputs.

2.1.5. **Quality Assurance.** A planned and systematic pattern of all actions necessary to provide confidence to the government that adequate technical requirements are established; products and services conform to established technical requirements; and satisfactory performance is achieved. For the purpose of this document, Quality Assurance refers to actions by the government.

2.1.6. **Quality Assurance Evaluator (QAE).** A functionally-qualified government person responsible for surveillance of contractor performance. The Contracting Officer will provide the contractor with a list of personnel delegated as QAEs and a brief resume of their duties and authority.

2.1.7. **Quality Assurance Surveillance Plan (QASP).** An organized written document used for quality assurance surveillance. The document contains specific methods to perform surveillance of the contractor.

2.1.8. **Quality Control.** Those actions taken by a contractor to control the production of outputs to ensure that they conform to the contract requirements.

2.1.9. **Random Sampling.** A sampling method where each service output in a lot has an equal chance of being selected for quality assurance surveillance.

2.1.10. **Sample.** A sample consists of one or more service outputs drawn from a lot for quality assurance surveillance. The number of outputs in the sample is the sample size.

2.1.11. **Sampling Guide.** The part of the surveillance plan which contains all the information needed to perform surveillance of the service output(s) for each task in the PRS.

2.1.12. **Indifference Quality Level (IQL) Sampling Plan.** A sampling plan which minimizes the risk to the government of acceptance of excessive error rates while also minimizing the risk to the contractor of rejection of acceptable performance. In such a plan the government and the contractor equally share in the probability of acceptance or rejection of a service with marginal error rates.

2.1.13. **First Operational Performance Period.** The interval of time during which the contractor is solely responsible for accomplishment of all activities set forth in the PWS through day-to-day management of the required service. (This period excludes the orientation period and any interval between award of the contract and commencement of performance).

2.1.14. **ACO - Administrative Contracting Officer.**

2.1.15. **BDO - Blanket Delivery Order.** The means by which the Contracting Officer obligates funds against a general scope of work. Accrual tasks are then authorized to be accomplished against a portion of the funds obligated.

2.1.16. **CFM - Contract Functional Manager.** A government person responsible for surveillance of contractor performance and delegated administration of the contract. The Contracting Officer will provide the contractor with a letter delegating the CFM and a brief resume of duties and authority.

2.1.17. **CM - Contract Manager.** The contractor shall provide a CM who shall be responsible for the performance of the work and have full contractual signatory authority.

2.1.18. **CO - Contracting Officer.**

2.1.19. **DO - Delivery Order.** The means by which the Contracting Officer obligates funds and authorizes the contractor to perform work on a project.

2.1.20. **EIN - Equipment Item Number.** Identifies a piece of equipment or system on the Maintenance Action Sheets.

2.1.21. **Lab Monitor.** A government representative assigned as the focal point for laboratory requirement(s). The Contracting Officer will provide the contractor with a list of personnel delegated as Lab Monitors and a brief resume of their duties and authority.

2.1.22. **Lab - Laboratory.** The various organizations or directorates to be supported will be assigned a laboratory number to differentiate them for funding and reports.

2.1.23. **MAS - Maintenance Action Sheets.** Specifies the preventive maintenance required for equipment and systems.

2.1.24. **OSHA - Occupational Safety and Health Administration.**

2.1.25. **WA - Work Authorization.** The means by which the Contracting Officer or designee (i.e. CFM or QAE) authorizes maintenance work in addition to the Maintenance Action Sheets.

2.1.26. **Hazardous Material (HM).** Any substance or material, in any quantity or form, that has the potential to harm human health or the environment. HM includes materials that are physical hazards. The materials listed as hazards in Superfund Amendments and Reauthorization Act (SARA), Title 313d, and subsequently all products containing these materials as constituents in percentages above safe levels as determined by the Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA) studies. Specific hazardous substances definitions may be found in OSHA 29 CFR 1910.1200, 29 CFR 1910.1000, Subpart Z, Toxic and Hazardous Substances; EPA 40 CFR Chapter 1, Table 302.4, Section 261.33, Section 302 of SARA Title III; the EPA list of lists and the Department of Transportation 49 CFR Section 172.101, Hazardous Material Table. Hazardous Material stock class numbers and their definitions can be found by using Federal Standard 313 C, Table I and II in lieu of specific information.

2.1.27. **Hazardous Waste (HW).** Wastes which are listed by chemical name in 40 CFR 261 Subpart D, and/or exhibit one or more of the characteristics described in 40 CFR 261 Subpart C.

2.1.28. **Special V.** i.e. A waste as defined by 40 CFR part 240.101(Z). A non-hazardous solid waste requiring handling other than that normally used for municipal solid waste.

2.1.29. **Initial Accumulation Point (IAP).** A collection point at or near the point of generation where HW is initially accumulated. A maximum of 55 gallons of HW and/or one (1) quart of acutely HW may be stored in a IAP at any one time.

#### 2.1.30 **Water Treatment Terms/Definitions.**

2.1.30.1. **Chemical Treatment System** Equipment, materials, and interconnecting piping and wiring which makes a system that senses the condensing water environment, and provides chemicals in a controlled manner to provide a satisfactory output in pH, total dissolved solids, and level of microbes.

2.1.30.2. **Condenser Water System** Equipment, materials, and interconnecting piping and wiring which forms a system to reject the heat from a chiller and whose water receives treatment under this contract.

2.1.30.3. **Microbe.** A minute life form which can be plant or animal, aerobic or anaerobic, found in the water. Also, it may be referred to as visible biological by-products such as slime or algae

## SECTION C-3

### GOVERNMENT FURNISHED PROPERTY AND SERVICES

**3.0. GENERAL.** The government shall provide, without cost, the facilities, materials, and services listed below or in Technical Exhibits 5a through 5e.

**3.1. PROPERTY.** Government furnished property shall be managed in accordance with the provisions of the clause of this contract entitled, "Government Property."

**3.1.1. Facilities.** The government shall furnish and make available facilities described in Technical Exhibit 5a for use by individual lab maintenance crew as field offices. These facilities shall be used for performance of this contract only. Facilities have been inspected for compliance with OSHA. No hazards have been identified for which workarounds have been established. The government corrects OSHA hazards in accordance with base-wide government-developed and approved plans of abatement, taking into account safety and health priorities. A higher priority for correction will not be assigned to the facilities provided hereunder merely because of this contracting initiative. The fact that no such conditions have been identified does not warrant or guarantee that no possible hazard exists, or that workaround procedures will not be necessary or that the facilities as furnished will be adequate to meet the responsibilities of the contractor. Compliance with OSHA and other applicable laws and regulations for the protection of employees is exclusively the obligation of the contractor, and the government will assume no liability or responsibility for the contractor's compliance or noncompliance with such responsibilities, with the exception of the aforementioned responsibility to make corrections in accordance with approved plans of abatement subject to base wide priorities. Prior to any modification of the facilities performed by the contractor, the contractor must notify the CO and provide documentation describing in detail the modification requested. No alterations to the facilities shall be made without specific written permission from the CO; however, in the case of alterations necessary for OSHA compliance, such permission shall not be unreasonably withheld. The contractor shall return the facilities to the government in the same condition as received, fair wear and tear and approved modifications excepted.

**3.1.2. Government-Furnished Equipment. Reserved.**

**3.1.3. Government-Furnished Materials.** The government will furnish the contractor the residual materials from the previous contract for use in the performance of this contract.

**3.1.3.1. Materials Inventory.** Not later than 20 workdays after contract award, the contractor and an authorized QAE shall conduct a joint inventory of all government furnished materials, and the contractor shall receipt for all materials provided by the government. The contractor shall not procure any new materials prior to inventory of government furnished materials with an authorized QAE. The contractor shall maintain an accurate and up-to-date inventory of all materials/parts. Prior to expiration of the contract, all remaining materials shall be jointly inventoried by the contractor and an authorized QAE.

**3.1.3 Site.** The government will provide an on-base site consisting of approximately 10,000 sq. ft. of land for contractor use in locating primary administrative offices and/or shops.

### 3.2 SERVICES.

**3.2.1. Utilities.** The government will furnish electricity, water, sewage, heating and compressed air where available, for government facilities listed in Technical Exhibit 3. The contractor shall carefully conserve any utilities furnished without charge.

**3.2.1.1. Utility Service.** The government will make available to the contractor all reasonably required amounts of utilities from existing outlets and supplies to support installation of contractor furnished administrative offices and/or shops. Actual hook-ups to existing utilities will be the responsibility of the contractor, with government approval.

3.2.2. **Postal.** The government shall provide on-base mail distribution, United States Postal Service, and United Parcel Service limited to official government mail requirements under terms of the PWS.

3.2.3. **Telephone.** The government shall provide telephone service consisting of three (3) on-base lines and phones for the contractor-provided administrative offices and/or shops. Phone use is limited to matters related to the performance of this contract.

3.2.4. **Custodial Services.** The government shall provide custodial services for all government furnished facilities. The contractor is responsible for providing these services for any contractor owned facility.

3.2.5. **Refuse Collection.** The government shall provide refuse collection for all government furnished facilities. The contractor is responsible for providing these services for any contractor owned facility.

3.2.6. **Hazardous Waste Disposal.** The government shall dispose of all hazardous waste generated by the contractor during work performed under this contract. The contractor shall identify, label, package, temporarily store, and transport all such hazardous wastes to facilities 478 and 479, in Area B, for acceptance by the government.

3.2.7. **Real Property Maintenance.** The government shall provide maintenance and repair of real property facilities that are not otherwise covered by this contract.

3.2.8. **Base Civil Engineering.** The government shall provide fire prevention and protection, inspection and maintenance of government furnished fire extinguishers and systems, pest control, and grounds maintenance for all government furnished facilities. The contractor is responsible for providing these services for any contractor owned facility. Fire Department telephone extension is 911 for emergencies. Routine calls shall be requested through the CFM.

3.2.9. **Emergency Medical Service.** The government shall provide emergency medical treatment and emergency patient transportation service for contractor personnel. The contractor shall reimburse the government for the cost of medical treatment and patient transportation service at the current inpatient or outpatient treatment rate, as appropriate.

3.2.10. **Security Force.** The government shall provide general on-base Security Force service. Security Force phone extension is 911 for emergencies, and 937-257-6516 for routine calls.

3.2.11. **Automatic Data Processing. Reserved**

3.2.12. **Transportation. Reserved**

3.2.13. **Equipment Maintenance. Reserved**

3.3. **VEHICLES. Reserved.**

3.4. **RECORDS, FILES, DOCUMENTS, AND WORK PAPERS.** All records, files, documents, and work papers provided by the government or generated in support of this contract are government property and shall be maintained and disposed of per Air Force directives. At the time of disposition the contractor shall box, label contents, and turn them over to the CFM.

3.5. **PROPERTY CONTROL PROCEDURES.** The contractor shall provide a written Property Control Plan. The contractor's plan shall be prepared in accordance with, and shall meet the requirements of FAR 45.502. (Data Item No. E0002)

3.6. **FORMS AND PUBLICATIONS.** The government shall provide forms and publications expressly required to perform the work in this PWS. The government shall provide custodian and alternate training for forms and publications management.

## SECTION C-4

### CONTRACTOR FURNISHED ITEMS AND SERVICES

**4.1 GENERAL.** Except for those items or services specifically stated to be government furnished in Section C-3, the contractor shall furnish everything required to perform this PWS.

**4.1.1. Tools and Equipment.** The contractor shall furnish hand tools, construction tools, and equipment required to maintain and repair government equipment and modify, repair, or alter government facilities. Specialized tools required to repair/modify unique government requirements, may be reimbursed by the government, with prior approval by the CO and CFM. Such specialized tools shall become the property of the government.

**4.1.2. Vehicles.** The contractor shall provide vehicles to complete all work ordered on this contract. All maintenance and repair of vehicles is the responsibility of the contractor. Contractor vehicles shall have the company name displayed on both sides of vehicles with at least six inch letters.

**4.1.2.1. Heavy Equipment.** The contractor shall provide one (1) forklift, at least 5000 pound capacity. Additional heavy equipment may be provided as specified in paragraph 4.3.

**4.1.3. Telephone.** The contractor shall provide phones, fax and telephone service for off-base lines to the administrative offices and/or shops the contractor is allowed to provide as contractor furnished on-base offices. The contractor shall also provide phones and telephone service for off-base lines to government field maintenance offices provided for contractor use, as required.

**4.1.4 Utilities.** The government shall make available to the contractor all reasonably required amounts of utilities from existing outlets and supplies. The contractor shall carefully conserve any utilities furnished. The contractor, at its expense and in a workmanlike manner satisfactory to the CO, shall install and maintain all necessary temporary connections and distribution lines, and all meters required to measure the amount of each utility used. Before final termination of the contract, the contractor shall remove all temporary connections, distribution lines, meters, and associated paraphernalia.

**4.2 MINIMUM QUALITY STANDARDS.** The contractor shall meet the minimum quality standards outlined in Section C-5 and Technical Exhibit 6.

**4.3. GOVERNMENT REIMBURSEMENT FOR RENTED EQUIPMENT.** Special equipment of a nonexpendable nature, if approved by the CO in advance, may be rented by the contractor when such equipment is required and cannot be furnished by the contractor. The contractor shall be reimbursed for such approved rentals at cost.

**4.4. SUBCONTRACTED SERVICES.** The contractor may subcontract the unique services of craftsmen, engineers, technicians, or machines which are required to provide completeness and continuity of the overall contract efforts and which cannot be performed by the crafts, machinery, or equipment available to the contractor, or where it is not feasible to use contractor labor. Examples of anticipated subcontracted services include, but are not limited to, technical services, machine shop services, fabrication services, heavy equipment, installation of computer flooring systems, installation of alarm systems, and crane and hoist repairs and/or certifications. The contractor shall obtain prior approval for any specialized subcontracted service (i.e., lead base paint and/or asbestos abatement) from CO and 88 ABWEM or designee.

**4.4.1 Technical Services.** Subcontracting of technical services related to material purchases or subcontracted installation may be used with OAE concurrence and CO approval. (i.e., fire protection systems, environmental control, structural steel, etc.)



## SECTION C-5

### PERFORMANCE WORK STATEMENT- ADMINISTRATION

**5.1. Supply System.** The contractor shall provide for the administrative tasks of ordering, receiving, verifying, tracking, delivery to work site, and securing of materials and parts bought under this contract. This control shall apply to items in stock and on order. The existing controlled stock of items required for daily use shall be maintained and accounted for by the contractor using a management information system. The contractor shall maintain an accurate and up-to-date inventory of all materials and parts on-hand or furnished by the government. Any time the contractor's supply system is found to be inadequate, it shall be changed as the CO deems necessary within ten (10) working days at no additional cost to the government.

**5.1.1. Purchasing.** The contractor shall obtain parts, materials, or subcontracted services at the lowest possible cost to the government. Consolidated purchases shall be made whenever possible to obtain the best price and delivery schedule. When requirements for several DOs are grouped together, invoices shall be prepared to itemize charges for each DO. Competitive bids shall not be required on unit purchases equal to or less than \$2,500 as long as the price is considered reasonable by the CFM and the CO. All purchase orders for parts, materials or subcontracted services, without exception, shall be approved through the CO or CFM. An approved maintenance Work Authorization does not constitute authorized approval for ordering parts, materials or subcontracted services.

**5.1.1.1.** The contractor shall obtain a minimum of three (3) bids on unit purchases exceeding \$2,500. If three (3) bids cannot be obtained, evidence of the reasonableness of the price shall be required. The contractor shall submit to the CFM, for approval, submittals on each of the bids including the manufacturer's current technical data (e.g., catalog, cuts or brochures). In the case of a "no quote" source, the contractor shall provide the name of manufacturer's representative, company name, date contacted, and telephone number. Unit purchases in excess of \$2,500 must be coordinated on by a QAE and be approved in advance by the CO. Sole source, single source, and brand name purchases require a letter of justification, approved by the CFM and the CO. Specific item requests require a letter of justification from the user, approved by the CFM and the CO.

**5.2. RECORDS.** The contractor shall maintain records of all material, supplies, tools, and equipment used on this contract. Such records shall identify the supplier, price, the individual receiving the item, and the DO, BDO, WA, EIN, bench stock or overhead. The contractor shall provide the source documents for an audit trail for all expenditures under this contract. The records shall be subject to review and reproduction by the government at any time.

**5.2.1.** A written record of any maintenance action that alters the location or performance of any portion of a facility shall be kept in the Lab maintenance files and become the property of the government. These written records shall include pertinent data such as drawings and wiring diagrams.

### **5.3. SUBMITTAL PROCEDURES.**

**5.3.1.** Submit for approval all items and related information as designated in each delivery order and as required by paragraph 5.1.1.1. All submittals shall be accompanied by a thoroughly completed AF Form 3000. All separate items forming parts of any submittal shall be clearly marked to indicate the specific submittal requirement to which they apply. Unmarked catalog cuts, samples, technical data, etc., will be returned disapproved.

**5.3.2.** Submit a minimum of one sample of each item where a sample is required. Submit one copy for project record document submittals. For all other submittals, excluding operation and maintenance manuals, submit a minimum of four (4) copies of the submittal item.

5.3.3. The contractor shall provide the manufacturer's equipment specification, literature, operating manuals, and warranty information for all equipment installed under this contract. A copy maintained by the contractor shall be available for government inspection. (Data Item No. A001)

5.4. **WARRANTY/GUARANTEE.** The contractor shall guarantee his work (including labor and material) and equipment for a period of one (1) year after acceptance by the government. The contractor shall make adjustments and repairs during this period at no charge to the government. This does not include problems caused by improper operation or maintenance by government personnel. All manufacturers' warranties shall be exercised and enforced by the contractor before committing any labor or materials on an affected equipment item. The contractor shall check with equipment manufacturers to ensure that any action does not void warranties, unless the CFM and the CO approve such action in writing. Whenever possible, the contractor shall obtain on behalf of the government a manufacturer's warranty that starts upon start-up of equipment and not the purchase date. The contractor shall provide a copy of all warranty/guarantees to the CFM or designee.

5.5. **WORK CONTROL.** The contractor shall provide sufficient personnel on a full-time basis to control, schedule, and direct their work force to avoid excessive transportation, waiting for material/supplies, and other lag or delay time. The contractor shall provide the CO written notification when a delivery order (DO) reaches 80% of obligated funds, and state whether remaining funds are sufficient to complete the DO.

5.6. **REQUIRED REPORTS.** All reports required shall be provided by the contractor to the government, using the contractor's furnished reporting system. The system shall provide control over all work from inception to completion. The system shall integrate the functions of work generation, scheduled accomplishment, work control, reports, and invoices. All costs for services, materials, equipment or other costs associated with the preparation and distribution of required reports shall be included in overhead calculations.

5.6.1. **Cost Performance Reports.** The contractor shall provide cost performance reports for maintenance and construction. The contractor shall provide for the posting of labor expenditures for each DO prior to reporting for the respective week, and the posting of material expenditures when a purchase order is written. These reports shall be segregated by Lab, listed by DO or BDO with associated building number, and detailing: (Data Item Nos. A002 and A003)

5.6.1.1. Obligated funds.

5.6.1.2. Labor expended.

5.6.1.3. Material purchase orders written.

5.6.1.4. Subcontracting and rental purchase orders written.

5.6.1.5. Total material, rental, and subcontracting invoiced.

5.6.1.6. Balance obligated funds minus labor expended and purchase orders.

5.6.2. **Manning Reports.** The contractor shall provide manning reports for construction and maintenance showing all direct labor by name and trade with man-hours shown by DO and associated building. Maintenance shall also show MAS or WA. The report shall show a week's time frame with the current day's man-hours being forecasted and any previous days of the week being actual man-hours. A final report for each week shall be submitted with the following week's first day forecast. (Data Item No. A004 and B001)

5.6.3. **Man-hour Report.** The contractor shall provide the total man-hours used per labor category for construction and maintenance. The report shall be for the periods 1 Oct to 31 Mar and 1 Apr to 30 Sep (six month periods can be approximated to the nearest week ending date). (Data Item No. B002)

**5.6.4. Status Report:** The contractor shall provide status reports showing contract activity for each month (approximated by a four (4) or five (5) week period depending on the week ending date used by the contractor's computer system). The report shall include a listing of DOs and modifications received during the last period including building number and dollar amount; a listing of DOs completed during the last period, and a summary sheet showing each period of the current fiscal year and listing: (Data Item No. B003)

5.6.4.1. Number of DOs and DO modifications received.

5.6.4.2. Number of DOs completed.

5.6.4.3. Total of funds obligated for period.

5.6.4.4. Total of funds obligated fiscal year to date.

5.6.4.5. Total of funds expended for period.

5.6.4.6. Total of funds expended fiscal year to date.

5.6.4.7. Number of direct labor man-hours used for period.

**5.6.5. Construction Report.** The contractor shall provide construction reports showing the status of construction DOs to be used at weekly review meetings held with the CFM & QAEs. The report shall be segregated by Lab and detail DO, building number, project description, funds obligated, date received, scheduled completion date, and comments on status. (Data Item No. B004)

**5.6.6. Equipment Maintenance Plan.** The contractor shall provide an equipment maintenance plan for each Lab. The plan shall be a listing of equipment under maintenance and the maintenance (monthly, quarterly, semi-annual, or annual) scheduled for each month as required by paragraph 7.2. The plan shall detail the building number, EIN, type of equipment, equipment description, equipment location, and maintenance schedule. An addendum to the plan will be issued for changes within ten (10) work days of approval. Changes shall be added to the computer system when the addendum is prepared. (Data Item C001)

**5.6.7. Summary of Maintenance Action Sheets (MAS) Work.** The contractor shall provide a summary of MAS work for each Lab. The summary shall detail the building number, EIN, type of equipment, equipment description, equipment location, and the labor hours, labor cost, and material cost expended on each individual piece of equipment during the previous month, or whether the work is overdue. Also detail for each building a fiscal year-to-date total of labor hours, labor cost, and material cost. (Data Item No. C002)

**5.6.8. Open/Closed Work Authorization (WA) Report.** The contractor shall provide an open/closed WA report for each Lab. The report shall be a record of all WA's in an open status and WA's closed during the previous month. The report shall detail the WA number, dates received and closed, building number, EIN, type of equipment, equipment description, equipment location, priority rating, if a cost estimate is used, and description of work to be performed. Closed WA's shall also detail labor hours and cost by trade, and cumulative labor hours, labor cost, and material cost. (Data Item No. C003)

**5.6.9. Inventory Reports.** The contractor shall provide an inventory report for all joint inventories required by the contract. This inventory report shall include nomenclature, quantity, unit cost, and total value. (Data Item No. C004)

## SECTION C-5.A.

### PERFORMANCE WORK STATEMENT - CONSTRUCTION

5.A.1. **GENERAL.** The contractor shall provide all labor, equipment, tools, materials, supervision, and other items required to complete the scope of work as specified in specifications and drawings provided with each DO. A construction labor force capable of rapid expansion or draw-down of its direct labor force is required to provide a flexible capability to support changes in programs and technical requirements. These efforts involve installing, modifying, and repairing various facilities and equipment. Architect-Engineer services will not be performed under this contract.

5.A.2. **SCHEDULE OF WORK** Prior to the start of each construction project, a schedule of work shall be submitted by the contractor for approval by a QAE so as to cause a minimum amount of disruption to the normal operations.

5.A.2.1. Before starting any work whereby traffic will be impeded or hindered, especially fire trucks and Force vehicles, call and notify the Fire Protection Branch, 937-257-6933, and Security Force, 937-257-4903, 72 hours prior to placing barricades or starting any work. Under no circumstances place any barricades or start work until after the Fire Protection Branch and Security Force have been notified and have approved the barricading of work areas.

5.A.3. **CONSTRUCTION.** Except as set forth in paragraph 5.A.3.4., no work shall be performed hereunder prior to issuance of a written order. Several DOs may be issued simultaneously, and the contractor shall provide a sufficient work force to respond and accomplish the work by the specified completion date for each DO. All work shall be accomplished in accordance with the applicable DO specifications and drawings. Types of work to be performed within the construction category are as follows:

5.A.3.1. **Minor Construction.** Defined as, but not limited to, alteration of real property facilities required when any of the following conditions exist: facility alterations required for continuing mission support, modification in support of personnel relocation, companion renovation in support of equipment installation, alterations required to safeguard equipment, modifications required to ensure personnel health, safety, and special accommodations for handicapped personnel.

5.A.3.2. **Facility Maintenance and Repair.** Facility maintenance consists of, but is not limited to, those tasks required to keep a facility in adequate condition, such as painting, replacing or patching of floor coverings. Facility repair consists of those tasks required to return a facility to adequate condition such as replacing deteriorated walls, doors, floor tile, plumbing fixtures, ceilings, interior electric, etc.

5.A.3.3. **Equipment Installation or Relocation.** Consists of, but is not limited to, the purchase, installation, or relocation of equipment, secondary utility work to connect the equipment to existing utilities, false floors, platforms, foundations, pads, slab-on-grade, pits, mechanical ventilation, exhaust systems, air-conditioning, and prefabricated clean rooms.

5.A.3.4. **Emergency Construction.** Emergency construction shall be started within four (4) hours after receipt of oral instructions from the CO. Such oral authorization shall be confirmed by issuance of a DO. Additional detailed information in such emergency situations shall be provided by the CFM/QAE within 24 hours.

**5.A.4. RESIDUAL CONSTRUCTION MATERIALS.** The residual construction materials from the previous contract will be furnished by the government during the phase out period of the previous contract. A joint inventory shall be accomplished by the contractor and a QAE before being received by the contractor and at the end of the contract. The contractor shall maintain a record of residual construction materials. The contractor shall be solely responsible for control and security of all residual construction materials. Residual construction materials shall be used for DOs whenever possible, stored as directed by a QAE or Government representative and physically separated from the maintenance bench stock.

## SECTION C-5.B.

### PERFORMANCE WORK STATEMENT- MAINTENANCE

**5.B.1. GENERAL.** The contractor shall provide all labor, supervision, equipment, tools, materials, and all other services required by the maintenance action sheets and approved work authorizations. A maintenance labor force is required to provide recurring preventive maintenance, repair, replacement, and installation of equipment and mechanical rooms, and provide water treatment. Architect-Engineer design services shall not be performed under this contract.

**5.B.2 MAINTENANCE.** A list of equipment requiring maintenance shall be provided by the government within ten (10) calendar days after contract award. The contractor shall use this list to prepare the Equipment Maintenance Plan as required by paragraph 5.6.6. Types of work to be performed within the maintenance category include, but are not limited to, the following:

**5.B.2.1. Recurring Maintenance.** The contractor shall perform recurring maintenance in accordance with government provided maintenance action sheets (MAS) and/or manufacturer specifications. This is maintenance which is required on a periodic basis. It includes periodic preventive maintenance, seasonal maintenance (such as winterizing cooling towers), periodic circuit breaker testing, replacing filters, making oil changes, and any other maintenance actions identified. Maintenance shall be identified on MAS as monthly, quarterly, semi-annual, or annual requirements. The government will provide sample MAS to the contractor within ten (10) days after contract award. The contractor shall submit his proposed initial MAS for approval. The CFMs/QAEs approval of the initial MAS, signified by signing the MAS, constitutes approval for the contractor to perform maintenance in accordance with the MAS. The equipment to be maintained and the MAS are subject to frequent revision, and CFMs/QAEs approval must be secured for each revision. When a MAS change is requested the contractor shall prepare a MAS for a CFMs/QAEs approval signature within ten (10) workdays. When equipment is approved to be added or deleted, the contractor shall distribute an addendum to the Equipment Maintenance Plan and input the changes into the contractor MIS system within ten (10) workdays of the CFMs/QAEs approval. (Data Item No. D001)

**5.B.2.1.1.** As part of the preventive maintenance program, the contractor shall provide the services of a water treatment specialist with a minimum of five (5) years experience in water treatment and analysis. This work consists of analyzing, furnishing labor, equipment, devices, appliances, materials, and performing operations necessary in the treatment of all water cooling towers maintained under this contract in accordance with the requirements identified in paragraph 7.6.

**5.B.2.1.2.** As part of the preventive maintenance program, the contractor shall control corrosion, to include, but not limited to: application of protective coatings, maintenance of cathodic protection systems, consideration of corrosion problems when purchasing and installing replacement equipment and materials, and making recommendations for system modification to reduce corrosion problems and maintenance costs. Particular emphasis should be placed on galvanic corrosion resulting from dissimilar metals.

**5.B.2.1.3. Identification of Impending Equipment Failure.** During recurring maintenance inspections/actions, contractor personnel may encounter systems requiring repair/replacement. Such conditions shall be verbally identified to the applicable QAE and Lab monitor. The contractor shall provide a follow-up memo of the verbal notification by the next workday.

**5.B.2.2. Equipment Repair.** The contractor shall perform equipment repair services as follows: Restoration of equipment or components to such condition that the equipment may be used effectively for its designated purpose. Restoration may be by overhaul, replacement, reprocessing, or replacement of constituent parts or materials that have deteriorated by the action of the elements or wear and tear and which cannot be corrected through maintenance. Upon identification by the contractor of a potential repair action requirement, the contractor shall notify the applicable QAE and Lab monitor. The Lab monitor requests the contractor to prepare a WA, and the CO's/CFM signature on the WA shall constitute approval for the contractor to proceed. Repair actions are classified as follows:

**5.B.2.2.1. Emergency.** Maintenance necessary to return an essential item of equipment to service after failure. Work requested by Lab monitors must be responded to by the contractor within two (2) hours of verbal approval by CFM or designee. For emergency work requested by Lab monitors during non-duty hours, verbal approval must be given by authorized personnel listed on a roster to be supplied by the CO. The contractor shall furnish the CO a list of personnel authorized to respond to emergency service calls and their phone numbers within five (5) workdays after contract start and update listing as required by contractor personnel changes. A WA request and a written overtime request shall be submitted by the Lab monitor through the contractor and CFM to the CO the next duty day.

**5.B.2.2.2. Urgent.** Work requested by Lab monitors must be responded to by the contractor within 24 hours of verbal approval by a CFM or designee. A WA request and a written overtime request (if required) shall be submitted by the Lab monitor through the contractor and CFM to the CO the next duty day.

**5.B.2.2.3. Routine.** Work requested by Lab monitors must be responded to by the contractor within three (3) workdays of a WA being approved by the CO, CFM or designee.

**5.B.2.2.4.** Minor repairs are tasks involving 32 man-hours or less and \$2,500 or less for materials. The Lab monitor will request the contractor prepare a WA for these requirements, and the WA must be approved by the CO's, CFM or QAE's signature. If parts or materials must be ordered, minor repairs shall be sequenced into the maintenance schedule unless the repairs are necessary for the operation of essential equipment.

**5.B.2.2.5.** Major repairs are tasks involving more than 32 man-hours or more than \$2,500 for materials. These requirements will be requested by the Lab monitors then a WA with a cost estimate shall be prepared by the contractor and approved by the CO's or CFM signature. If requested in writing by the CO, the contractor shall prepare a written proposal and detailed cost estimate for major repairs. The government may provide written technical specifications, as it considers necessary for adequate repair. The contractor shall comply with such specifications when provided.

### **5.B.3. MATERIALS.**

**5.B.3.1. Maintenance Bench Stock.** The contractor shall maintain a bench stock of common use maintenance items for each trade. The items to be maintained and number of each item shall be approved by the CFM. Such bench stock shall be replenished periodically and the cost of replenishment allotted to the maintenance DOs for each Lab in proportion to the man-hours used in each Lab. An initial bench stock of items shall be furnished by the government at the onset of the contract. A joint inventory of all maintenance bench stock items will be accomplished by the contractor and a QAE within ten (10) workdays after the start of the contract and at the end of the contract. The contractor shall maintain an accurate and up-to-date inventory of all materials and parts on-hand or furnished by the government. Stock levels and restock points shall be subject to approval by the CFM and not to exceed a 30-day level. The maintenance bench stock shall be physically separate from construction materials. The contractor shall recommend bench stock changes (changes in stockage levels or changes in items stocked). All purchase orders for parts, materials or subcontracted services, without exception, shall be approved by the CO or CFM. An approved maintenance Work Authorization does not constitute authorized approval for ordering parts, materials or subcontracted services.

**5.B.3.2. Maintenance Spare Parts.** The contractor shall maintain a stock of spare parts for the equipment maintained. An initial stock of such items will be furnished by the government at the onset of the contract. A joint inventory of all spare parts shall be accomplished by the contractor and QAE within ten (10) workdays after the start of the contract and at the end of the contract. The contractor shall maintain an accurate and up-to-date inventory of all materials and parts on-hand or furnished by the government. All purchase orders for parts, materials or subcontracted services, without exception, shall be approved by the CO or CFM. An approved maintenance Work Authorization does not constitute authorized approval for ordering parts, materials or subcontracted services. The contractor shall recommend stock changes (changes in stockage levels or changes in items stocked) as the contractor deems necessary. Spare parts should not duplicate bench stock. This does not preclude stocking some bench stock items near equipment if associated with critical spare parts.

**5.B.3.2.1. Critical spare parts,** defined as parts whose failure may immediately shut down an entire building or laboratory (e.g., main circuit breakers, transformers, steam/water valves), shall be maintained in contractor secured areas in the facilities listed in Technical Exhibit 3a. All stocking of critical spare parts must be approved by a CFM/QAE. The contractor shall maintain an accurate and up-to-date inventory of all critical spare parts.

**5.B.3.2.2.** If parts can be obtained within one (1) day, spare parts should not be stocked except parts for highly critical systems (e.g., cooling systems for animal holding areas, cooling systems for computer areas, fuel systems for gun range, etc.). The contractor shall maintain an accurate and up-to-date inventory of all materials and parts on-hand or furnished by the government. All purchase orders for parts, materials or subcontracted services, without exception, shall be approved by the CO or CFM. An approved maintenance Work Authorization does not constitute authorized approval for ordering parts, materials or subcontracted services.

**5.B.4. REPAIR VS REPLACEMENT.** Repairs costing in excess of seventy-five (75%) percent of the replacement cost of the individual item of equipment or repairs that the contractor otherwise feels are uneconomical shall be referred to the CFM or QAE and the appropriate Lab monitor for determination of what action is to be taken. The CO shall direct the contractor to repair, replace, or take no action on the equipment.

**5.B.5. EQUIPMENT LABELS.** The contractor shall provide equipment identification labels for each piece of equipment that is identified by the Government to receive maintenance. These labels shall include Lab number, EIN, nomenclature, last date maintenance was performed, next date preventive maintenance is due and contractor phone number for both duty and after duty hours.



**5.B.6. WATER ANALYSIS A. TREATMENT.** Furnish all labor, equipment, devices, appliances, and materials, and perform all operations necessary to chemically treat condenser water systems in connection with the operation and maintenance of new and the following existing equipment:

LAB	BLDG	EQUIPMENT NO	REMARKS
3	20079	1630-001	
3	20248	1631-003	
3	20838	1631-001	
5	20450B	1630-001	
5	20450B	1630-002	
5	20451	1630-004	
5	20451	1630-005	
6	20025A	1632-001	Spray Pond
6	20026	1631-003	Shock treatment
6	20146	1631-004	
6	20145	1630-001	
7	20651	1630-003	
7	20654	1630-001	
7	20654	1630-002	
7	20655	1630-004	
8	20018	1631-003	
8	20018H	1630-001	
8	20071D	1631-002	Cells 1, 2, 3, 4
8	20490C	1631-004	
8	20490C	1631-005	
8	20490C	1631-006	
9	20022	1631-003	
9	20022B	1631-001	
9	20023	1630-001	
9	20023	1630-002	
9	20620	1630-002	
9	20620	1630-003	
9	20620	1630-004	
9	20622	1631-001	

**5.B.6.2.1.** Testing and changing chemical drums as required to insure adequate supply of treatment chemicals.

**5.B.6.2.2.** Maintenance and operation of all chemical feed pumps, controllers, strainers, water meters, bleed valves, flow switches, test coupons, test racks, and pH meters.

**5.B.6.2.3.** Cleaning baskets of supply line strainers at least once per month.

**5.B.6.2.4.** Inspect water distribution pans weekly. Clean and remove scale from holes in bottom of pan to insure uniform water flow over tower fill.

**5.B.6.2.5.** In the spray distribution tower, check the nozzles weekly, report the number of nozzles not operating in writing, and return those not functioning to operating condition.

**5.B.6.2.6.** Controlling the water level in tower sumps so that they do not overflow and the total dissolved solids will be controlled by the system bleed valve.

**5.B.6.2.7.** Insure operation of all cooling tower make-up water float valves and liquid level control assemblies.

5.B.6.2.8. Provide operation and maintenance of condenser water pumps, cooling tower fans, fan motors, gear boxes, louvers, and other equipment related to chemical water treatment. Identify potential condenser water equipment operational problems, and notify the CFM and the Lab monitor.

5.B.6.2.9. Maintain corrosion and scaling limitations, per requirements identified in section C-6.

5.B.6.2.10. Remove salt or precipitate that collects on the outside edges of closed packed plastic sheet fill towers, screens, or mist eliminators, and blocks air flow. The contractor shall provide a suction device for removing precipitate.

5.B.6.2.11. The contractor shall deactivate and clean cooling towers that do not operate continuously at the end of the cooling season. The cleaning operation shall consist of removing all precipitate from the tower surfaces. Damage occurring during the cleaning process shall be repaired by the contractor, at no cost to the Government, if the damage was caused by negligence and not normal wear and tear (deteriorated condition). The contractor shall report all damage to the CFM/QAE, within one (1) day of occurrence.

5.B.6.2.12. The contractor shall perform all seasonal maintenance during the period of inactivity for those cooling towers that do not operate continuously. The contractor shall activate the cooling towers commensurate with seasonal load conditions or as required by the mission of each Lab.

#### 5.B.6.3. Equipment.

5.B.6.3.1. The condenser water systems have been operating with chemical treatment and have chemical controls, water meters, bleed valves, pumps, strainers, flow switches, and flow regulators already installed. The contractor shall inspect all existing equipment for proper operation within one (1) month after starting maintenance responsibilities.

5.B.6.3.2. All condenser water treatment equipment installed by the contractor, other than government furnished equipment, shall be new and from a manufacturer regularly engaged in the manufacture of condenser water treatment equipment.

5.B.6.3.3. Systems shall monitor cooling tower circulating water and provide automatic control of the bleed and chemical treatment based on the actual requirements of the cooling tower and in accordance with specified limits and dosage. Systems shall provide visual indication of chemical feed and bleed off.

5.B.6.3.4. Systems shall have a solid state controller, conductivity cell, water meter, electrical contact head, electrically controlled bleed valve, strainer, chemical feed pumps, flow switches, pH meter with electrical contacts where acid feed is required, and flow regulators as described below.

5.B.6.3.4.1. Chemical feed shall be controlled independently of bleed off by the controller. The chemical feed pumps shall require no lubrication, be easily calibrated, have no exposed moving parts, be of unit design construction, incorporate cartridge valve for easy priming, have variable stroke length, operate on 120/60/1 power, have isolated mechanical parts to prevent solution contamination, and be sized in accordance with the respective condenser water system.

5.B.6.3.4.2. The controller shall contain a conductivity cell constructed of material impervious to all water treatment chemicals. The cell shall contain temperature compensating elements which, in conjunction with the control circuits, will maintain a constant water TDS regardless of temperature fluctuations. A removable clean-out plug shall be provided in the bottom of the cell. The cell shall withstand a pressure of 125 psi, have a characteristic pressure drop of 10-15 psi, and operate on 120/60/1 power.

5.B.6.3.4.3. The flow switch shall be installed to energize and de-energize the controller based on condenser water flow.

5.B.6.3.4.4. The pH meter shall have solid state circuitry and have a capacity to control the hydrogen ion concentration between pH limits of 6 and 10. The meter shall have adjustable electrical contacts to start a feed pump motor at a high pH level and shut the feed pump motor off at a low pH level. A control light shall indicate when acid is being fed to the condenser water system.

#### **5.B.6.4. Treatment Chemicals.**

5.B.6.4.1. The contractor shall furnish an adequate supply of treatment chemicals to operate all condenser water systems covered by the contract. The contractor shall change chemical drums or fill tanks as required to insure continued chemical feed to all condenser water systems. All containers shall have secondary containment.

5.B.6.4.2. The contractor shall ensure chemicals are capable of inhibiting scale and corrosion and comply with EPA requirements. No heavy metals, chromates, sulfonates, lignin, or tannins should be used. In addition, no molybdate-based corrosion inhibitors shall be used for cooling towers discharging to the sanitary sewer system.

5.B.6.4.3. The contractor shall ensure that the inhibitors control corrosion on the aqueous surfaces of ferrous and non-ferrous metals. When requested, the chemical supplier must supply data to demonstrate corrosion rate of 3.0 mils per year or less and corrosion pits of no more than 5.0 mils per year on mild steel. On copper, corrosion shall be limited to 0.5 mils per year and corrosion pits no deeper than 1.0 mil per year. Data should include actual rate tests using ASTM methods.

5.B.6.4.4. The contractor shall ensure that the biocides provided for bio-fouling organism control can be 10% methylene bis (thiocyanate) alternated with sodium hypochlorite.

5.B.6.4.5. The contractor shall ensure that the inhibitor systems shall be compatible with chlorine or non-oxidizing biocides for control of algae. An iron inhibitor containing a first generation polymer to control iron deposition throughout the condenser water system shall be used.

5.B.6.4.6. The contractor shall ensure that the acids (muriatic or sulphuric) will be used where indicated to control the hydrogen ion concentrations between pH level of 7.2 and 7.8. The use of acid will not relax the corrosion requirements of Para. 7.6.4.3. and 7.6.5.1.

5.B.6.4.7. The contractor shall purchase water treatment chemicals from Dearborn Chemical Company, Drew Chemical Company, Betz Entec, Nalco Chemical Company, Calgon Chemical Company, UOP Water Services, Mogul Company, Vestal Labs, or approved equal. All chemical suppliers considered shall submit technical data sheets and description of the action of the chemicals proposed. The contractor's proposed selection of the chemical supplier shall be approved by the CFM, based upon competitive pricing. Material Safety Data Sheets shall be provided by the supplier to the contractor.

#### **5.B.6.5. Performance Criteria.**

5.B.6.5.1. **Corrosion Rates.** The contractor shall insure that the corrosion rate of all copper surfaces in contact with treated condenser water shall not exceed 0.5 mils per year and that the corrosion rate of all mild steel surfaces in contact with the treated condenser water shall not exceed 3.0 mils per year. The contractor shall demonstrate that these performance criteria have been satisfied on at least 85% of all the condenser water systems tested under the provision of this contract via results obtained through coupon testing as specified by paragraph 7.6.7., and performed in accordance with the American Society of Testing and Materials (ASTM) Standard No. D2588-70, Corrosivity of Water in the Absence of Heat Transfer, Method Tests for Weight Loss.

5.B.6.5.2. **Scale.** The contractor shall insure that all condenser water cooling towers shall be maintained to less than 1/4" sludge/scale in the bottom of the cold water reservoir. The contractor shall insure that no appreciable sludge/scale shall accumulate within the condenser tubes as per chiller manufacturer recommendations.

5.B.6.5.3. **Algae.** The contractor shall insure that the condenser water systems maintained shall be free from visible accumulation of algae.

5.B.6.5.4. **Pitting.** The degree of pitting shall be evaluated in accordance with ASTM Bulletin No. 138, Corrosion Criteria - Their Visual Evaluation, dated January 1946.

5.B.6.5.5. **Control Ranges and Test Cycles.** The key tests are: molybdate, pH, total alkalinity and calcium for corrosion and scale control; and conductivity and chlorides for blowdown control. The other tests will confirm the suitability of the formulation. The required ingredients and the approximate ratio (or multiple thereof) of each are 3% for sodium molybdate, total inorganic phosphate, and total organic phosphate, and 2% for total polymeric dispersants, total polymeric antiscalants, and copper corrosion inhibitor. Molybdate corrosion inhibitors shall not be used for cooling towers which discharge to the sanitary sewer system.

PARAMETER	LIMITS	DAILY	WEEKLY	MONTHLY
Calcium Hardness	3 to 4 times makeup CaH	X		
Total Alkalinity	100 to 150 ppm as CaCO <sub>3</sub>	X		
Chloride	3 to 4 times makeup Cl	X		
Conductivity	2400 to 3200 micromhos	X		
Molybdate	4 to 6 ppm as MoO <sub>4</sub>	X		
pH	7.2 to 7.8	X		
Total Hardness	3 to 4 times makeup TH		X	
Ortho Phosphate	12 to 18 ppm as PO <sub>4</sub>		X	
Soluble Iron	per make-up water		X	
Organic Phosphate	3 to 5 ppm as PO <sub>4</sub>			X
Triazole	2 to 4 ppm as TA			X
Total Polymer	5 ppm minimum			X

5.B.6.2. **Operation and Maintenance.** The contractor shall have responsibility for the complete maintenance and operation of the condenser water and chemical treatment systems, including acid feed and pH control equipment as specified herein. Acid shall be fed to tower basin to assure complete dilution prior to metal contact. This includes, but is not be limited to:

5.B.6.6. **Water Treatment Reports.** The contractor shall maintain records detailing all chemical analyses performed, personnel performing tests, and the date and time performed. The contractor shall provide reports that include the following: (Data Item No. D003)

5.B.6.6.1. Chemical determinations of circulating condenser water and make-up water.

5.B.6.6.2. Concentration of total dissolved solids.

5.B.6.6.3. Concentration of treatment chemical.

5.B.6.6.4. Remarks as to algae formation and corresponding action.

5.B.6.6.5. pH of all condenser water systems and its calcium content.

5.B.6.6.6. The bicarbonate and carbonate alkalinity.

5.B.6.6.7. Remarks as to condition of overall condenser water system.

5.B.6.6.8. Loading of air conditioning equipment.

5.B.6.6.9. Test coupon data required by paragraph 7.6.7.

#### **5.B.6.7. Corrosion Controls.**

5.B.6.7.1. The contractor shall provide copper and mild steel test coupons in accordance with the directives established in ASTM Standard No. D-2688-70, Sections 20 and 21. The contractor shall install two (2) copper and two (2) mild steel test coupons in accordance with ASTM Standard D2688-70, Method B, in separate test coupon assemblies on all condenser water systems maintained under provisions of this contract. If any system is not presently up to ASTM standards, the government will pay to have it brought up to present standards. The mild steel test coupon assembly shall precede the copper test coupon assembly in the direction of condenser water flow.

5.B.6.7.2. Pipe used in fabricating or manufacturing the various corrosion coupon assemblies shall be chlorinated polyvinyl chloride (CPVC) or fiberglass reinforced plastic (FRP) pipe. All corrosion coupon assemblies shall be manufacturer-fabricated in accordance with ASTM Standard D2688-70. The corrosion coupon assemblies shall be installed across the respective condenser water circulating pumps and incorporate globe or gate valves before and after the test coupons in the direction of water flow. The corrosion coupon assemblies also incorporate a flow regulating device to facilitate adjustment of the condenser water flow rate across the test coupons. The condenser water flow rate shall thereby be established for each and every corrosion coupon assembly commensurate with the flow rate through the respective condenser tubes as specified by ASTM Standard D2688-70, paragraph 21.6.

5.B.6.7.3. The contractor shall totally adopt and follow the methods and procedures regarding corrosion testing described in ASTM D2688-70 under Method B, unless otherwise indicated.

5.B.6.7.4. The contractor shall initiate and maintain accurate records detailing all coupons, testing, preparation, and operational procedures employed. The records shall include data with the water treatment report required by paragraph 7.6.6. The data shall include, but not be limited to:

5.B.6.7.4.1. Coupon material, number, and installation location.

5.B.6.7.4.2. Coupon weight before installation.

5.B.6.7.4.3. Coupon weight after use.

5.B.6.7.4.4. Dates coupon weighed.

5.B.6.7.4.5. Certifying laboratory approved by the Government.

5.B.6.7.4.6. Date coupon installed.

5.B.6.7.4.7. Date coupon removed.

5.B.6.7.4.8. Number of days coupon exposed.

5.B.6.7.4.9. Coupon corrosion rate.

5.B.6.7.4.10. Corrosion description.

5.B.6.7.4.11. Coupon maximum pit depth.

5.B.6.7.4.12. Coupon photographs before and after use.

5.B.6.7.5. Prior to installing any test coupons, the contractor shall have the government approved independent laboratory certify each individual test coupon's weight, material, and photograph with corresponding test coupon identification number. Coupons shall be installed within one (1) month of contractor maintenance starting.

5.B.6.7.6. After approximately sixty days exposure, the contractor shall remove the one (1) copper test coupon and one (1) mild steel test coupon from each corrosion coupon assembly installed. The coupons shall immediately be replaced with properly identified new and different coupons. The contractor shall insure that the corrosion rates and degree of pitting derived for each test coupon are formulated in accordance with ASTM Standard D2688-70 and ASTM Bulletin 138. The results shall be certified by the government approved independent testing laboratory, and tabulated by individual system and building number. The contractor shall take necessary precautions as stated by ASTM D2688-70 to insure the integrity of test coupons used during all phases of operation.

5.B.6.7.7. The contractor shall insure that one (1) copper test coupon and mild steel test coupon shall remain in each corrosion coupon assembly undisturbed for the duration of the cooling season or for six months for those air conditioning systems which operate continuously. After the completion of the cooling season, or every six months, whichever is appropriate, the contractor shall remove these test coupons. The contractor shall submit these coupons to the government approved independent laboratory for evaluation and certification that the various corrosion rates and associated degree of pitting for each test coupon are established in accordance with ASTM Standard D2688-70 and ASTM Bulletin 138. The contractor shall take all necessary precautions as described by ASTM Standard D2688-70 to insure the integrity of all test coupons used during all phases of operations.

5.B.6.7.8. The government shall use all certified corrosion rate, pitting, and system temperature data to facilitate contractor performance evaluation.

5.B.6.7.9. The CO reserves the option to independently evaluate, at no cost to the contractor, any or all of the test coupons after use on a random basis. The contractor shall be required to store all used test coupons for one (1) year after use unless otherwise specified by the CO. The contractor shall take all necessary precautions as described in ASTM Standard D2688-70 to insure the integrity of all test coupons during the period of storage following use.

**PERFORMANCE WORK STATEMENT- ENVIRONMENTAL REQUIREMENTS**

**5.C.1. GENERAL.** The contractor shall be knowledgeable of and comply with all applicable federal, state, local, Air Force, and Wright-Patterson AFB laws, regulations, and requirements regarding environmental protection. In the event environmental laws or regulations change during the term of this contract, the contractor is required to comply as such laws come into effect. If there is an increase or decrease in cost as a result of the change, the contractor shall inform the CO pursuant to notice requirements and negotiate a modification to the contract.

**5.C.2. WORK REQUESTS.** The contractor shall not install any new equipment, facility or modify existing facility unless a Civil Engineering Work Request (AF Form 332) has been submitted to 88 CEG Customer Service Office and approved. The government office identifying the requirement will submit the work request. An AF Form 813 may also be required for any proposed work. If this form is required, it will be annotated on the Work Request, and the contractor shall then complete and submit the AF Form 813 to 88 ABW/EMP. If an AF Form 813 is required, it shall be approved before the work can proceed. The contractor shall fully comply with all special provisions in any approved Work Request or AF Form 813. This could include the need to obtain a permit to install requirement(s).

**5.C.3 PERMITS.** The contractor shall ensure that required environmental permits are obtained prior to installing and/or operating any new or modified equipment, processes, etc. Where environmental permits are required, the contractor may be required to prepare technical documentation for the permit application and submit to 88 ABW/EM. Based upon information provided by the contractor and using organization, 88 ABW/EM will determine when permits are required. 88 ABW/EM will also define permit requirements and provide applicable forms to the contractor. 88 ABW/EM will sign and forward applications to the appropriate regulatory authority. Where the contractor is the operator of equipment, processes, or storage areas covered by a permit, the contractor shall be responsible for maintaining permit limits, which could include operational restrictions and shall abide by all permit terms and conditions. 88 ABW/EM shall be notified immediately of any exceedance of permit limits or violation of permit conditions. Special terms and conditions can involve extensive, detailed record keeping. Required records shall be submitted to 88 ABW/EM on a monthly basis.

**5.C.4. REUSE AND RECYCLING.**

**5.C.4.1. Ethylene Glycol.** To the maximum extent practical, the contractor shall collect ethylene glycol for recycling and reuse rather than waste it to the sanitary sewer system. Ethylene glycol shall not be discharged to the sanitary sewer system without written authorization from 88 ABW/EM.

**5.C.4.2. Refrigerant Recovery.**

**5.C.4.2.1.** The contractor shall be responsible for the recovery and recycling of refrigerant or other ozone depleting substances (ODSs) from equipment. Containment of the recovered material shall be within cylinders approved by the Government or within cylinders provided by the Government. The contractor shall be responsible for labeling each container as required by 49 CFR 173.301 "Requirements for the Shipment of Compressed Gas Cylinders" and 40 CFR Part 82 "Protection of Stratospheric Ozone, Refrigerant Recycling".

**5.C.4.2.2.** The contractor shall transfer all refrigerant cylinders directly to 88 Civil Engineering, as directed by CFM.

**5.C.4.2.3.** The contractor shall verify that the ODSs have been removed from all ODS equipment before final disposal of the equipment.

**5.C.4.2.4.** All contractor technicians responsible for refrigerant recovery and recycling shall be certified by EPA under Section 608 of the Clean Air Act.

5.C.4.2.5. The contractor recovery equipment shall be tested by an approved EPA testing organization to ensure that it meets requirements under Section 608 of the Clean Air Act. The equipment shall be labeled stating this fact.

5.C.4.2.6. Knowingly venting ODSs into the atmosphere is prohibited under the Clean Air Act. Contractor technicians releasing "de minimis" quantities of ODCs in the course of making good faith attempts to recapture, recycle or dispose of ODSs are not subject to the prohibition.

5.C.4.2.7. **Submittals.** The contractor shall submit copies of all certifications and qualifications required by this section and a brief work plan detailing the procedures required to perform the work to the CO or CFM for forwarding to applicable agencies.

5.C.4.2.8. The contractor shall identify the pressure conditions under which the refrigerator unit was designed to operate and ensure that technicians have received the appropriate certification (i.e., Type I, Type II, Type III, and/or Universal Technician) that corresponds with the equipment from which refrigerant is to be recovered.

5.C.4.2.9. The contractor shall identify the appropriate type of recovery/recycle equipment and ensure that equipment rating is maintained in accordance with Section 608 of the Clean Air Act relative to: (a) Liquid Refrigerant Recovery; (b.) Vapor Refrigerant Recovery; (c.) Final Recovery Vacuum; and (d) Refrigerant loss due to Non-Condensable Purging.

5.C.4.2.10. The contractor shall be responsible for ensuring that refrigerant recovery is performed in compliance with all applicable regulations, per section C-6.

5.C.4.3. **Used Oil.** The contractor shall dispose of used oil through the base used oil collection service in accordance with the base's Used Oil and Waste Liquid Petroleum Products Management Policy #1-EM-94335. The QAE will be the interface between the contractor and base liquid fuels.

5.C.4.3.1. The contractor shall take measures to prevent the contamination of used oil with solvents and CFCs and shall provide all necessary analytical data required to demonstrate that solvent wastes have not been added to any container presented for pumping. Solvent contaminated oils may require disposal as hazardous waste. The contractor may be required to dispose of nonhazardous waste oils containing CFCs.

## 5.C.5 RESOURCE PROTECTION.

5.C.5.1. **Water Supply.** The contractor shall prevent the backflow of contaminants into potable water supply by installation of backflow prevention devices to be installed by certified personnel, as required. Prior CFM coordination and approval is required before installation of any back flow prevention device. All backflow prevention devices must be models and manufacturers, pre-approved by Ohio EPA. The contractor shall notify 88 ABW/EM and CFM of the model, manufacturer, and location of all backflow prevention units installed. The contractor's certified personnel shall be responsible for periodic testing and maintenance of the units.

5.C.5.2. **Storm/Surface Waters.** The contractor shall not discharge any waste or wastewater directly to a storm sewer or surface water. The contractor shall obtain approval from 88 ABW/EM prior to the installation of any equipment that discharges water to the storm sewer. Contractor may be required to prepare technical documentation for permit applications or approval requests. 88 ABW/EM will file any permit applications or approval requests required for such connection. Additives to water in industrial uses which ultimately discharge to storm sewers (including, but not limited to, cooling towers and non-contact cooling water) must be approved by 88 ABW/EM.



**5.C.5.3. Air.** The contractor shall adhere to all federal, state, and local regulations; AFI 32-7041, "Air Quality Compliance"; HQ AFMC policies regarding halons and chlorofluorocarbons; and HQ AFMC Standard Operating Procedures for Stationary Air Pollution Sources. Copies of the Air Force policies can be obtained from 88 ABW/EMP. The contractor shall adhere to the AFMC Standard Operating Procedures for Air Quality Stationary Source Management. This includes designating a single point of contact for air emissions sources. On-going record keeping shall be required for some sources, such as emergency generators, to demonstrate that they are exempt from permits to install. These records shall be submitted monthly to 88 ABW/EMP.

**5.C.6. WASTEWATER.** The contractor shall obtain approval from 88 ABW/EM prior to the installation of any equipment that discharges water to the sanitary sewer. Contractor may be required to prepare technical documentation for permit applications or approval requests. 88 ABW/EM will file any permit applications and approval requests required for such connection. The pH of wastewater discharged to the sanitary sewer must be within the range of 6-10. Hazardous materials shall not be discharged into the sanitary sewer. Chemical supply containers are to be emptied to the maximum extent possible by use and shall not be rinsed out to the sanitary sewer.

#### **5.C.7. HAZARDOUS MATERIAL MANAGEMENT.**

**5.C.7.1 Material Storage and Use:** The contractor shall follow manufacturer's guidelines and professional recommendations for control of humidity, temperature, cleanliness and material handling relative to storage and use of all hazardous materials (HM). The contractor shall use, handle and store all HM IAW all Federal, State, Local and Air Force laws, policies, regulations and procedures as specified in, but not limited to, Air Force Pamphlet 32-7043, Air Force Instruction 32-7080, Air Force Instruction 40-201, Air Force Instruction 32-7086, Air Force Instruction 32-7086 AFMC Supplement 1, WPAFB Instruction 32-7002 and the WPAFB HM Management Plan

**5.C.7.2 Notification Requirements:** The contractor shall submit forms for hazardous materials notification as indicated in section 4.7 of the HMMP, HM Management Requirements for Contractors. A WPAFB Form 1414 Contractor Hazardous Material Report to the CO with a copy to 88th Air Base Wing Environmental Management (88 ABW/EM) HAZMAT Cell within 15 days of award, which lists the materials and corresponding Material Safety Data Sheet (MSDS) for each HM product to be used for this contract and stored on the installation for a period greater than 24 hours. Information regarding any additional HM items identified after the start of performance of this contract shall be submitted on a WPAFB Form 1414 by the contractor with corresponding MSDS to the CO and a copy to the 88 ABW/EM HAZMAT Cell 15 days prior to bringing the HM onto WPAFB. The contractor shall maintain the HM Database Tracking System (currently Depot Maintenance - Hazardous Material Management System (DM-HMMS)).

**5.C.7.3 Hazardous Material Purchases:** The contractor shall route and coordinate all customer requests for the purchase of hazardous materials/supplies to the 88th ABW/EM HAZMAT Cell. The contractor shall review the Excess Materials List provided by the HAZMAT Cell and utilize existing materials prior to purchasing new materials. No HM shall be purchased or stored on WPAFB without prior written notification to the HAZMAT Cell IAW the most recent edition of the WPAFB HM Management Plan including all policy statements contained therein.

**5.C.7.4 Environmental Manager (EM):** The contractor shall appoint and identify to the CO within 15 days after the start of the operational performance period an EM and an alternate. Updates shall be provided upon changes. The EM serves as the environmental manager to manage all hazardous waste (HW) and HM activities performed by the contractor. The EM shall serve as the liaison to the 88th Environmental Management Office for issues concerning the management of HW/HM. The EM shall also participate in quarterly Hazardous Material / Waste Site Inspection Team (HMWSIT) audits upon request.

**5.C.7.5 Issue Point (IP):** The contractor shall establish through the 88th ABW/EMV, HAZMAT Cell a centralized location to store, receive, transfer and issue hazardous materials IAW section 4.2 of the WPAFB HM Management Plan (HMMP) for Integrated Units. The contractor shall furnish all equipment necessary to manage HM IAW the WPAFB HMMP. This equipment includes but is not limited to approved chemical security cabinets, locks, secondary containment, spill response equipment, fire extinguishers, personal protective equipment, computer equipment, etc., to securely manage HM at the IP.

**5.C.7.6 Issue Point Manager (IPM):** The contractor shall identify in writing within fifteen (15) days of contract award one individual (the IPM) and one alternate to manage the IP. This information will be provided to the CO with a copy to the 88th ABW/EM. The IPM is responsible for the management of the HM Database Tracking System (currently DM-HMMS) for each material brought onto the installation. The IPM must ensure all HM items are labeled, stored, and managed IAW OSHA Standards and the WPAFB HMMP.

**5.C.7.7 Training:** The contractor appointed EM and alternate, IP Manager and alternate shall familiarize themselves with installation specific procedures by attending the Installation Tier 1 Environmental, Safety and Occupational Health Course, Tier 2 HAZMAT/HAZWASTE Training course presented by 88th ABW/EM within 90-days after the start of the operational performance period. This course is presented to the contractor as a briefing to familiarize the contractor on WPAFB specific policy and procedures and in no way is intended to meet Environmental, Safety, and Occupational Health regulatory requirements to be provided by the employer.

**5.C.7.8 Submittals:**

**5.C.7.8.1** The contractor shall submit a WPAFB Form 1414 Contractor Hazardous Material Report to the CO with a copy to 88th Air Base Wing Environmental Management (88 ABW/EM) HAZMAT Cell within 15 days of award, which lists the materials and corresponding Material Safety Data Sheet (MSDS) for each HM product to be used for this contract and stored on the installation for a period greater than 24 hours.

**5.C.7.8.2** The contractor shall appoint and identify to the CO within 15 days after the start of the operational performance period an EM and an alternate.

**5.C.7.8.3** The contractor shall identify in writing within 15 days of contract award one individual (the IPM) and one alternate to manage the IP.

**5.C.7.8.4** The contractor shall develop and submit in writing within 15 days of award a detailed operating instruction on the procurement, storage, and issue of HM in accordance w/ Appendix C of the HM Management Plan.

**5.C.7.9. Encountering Unexpected Hazardous Materials.** All contractor personnel shall immediately report to the CFM or QAE any hazardous materials, substances (including suspect asbestos containing materials), chemicals, or contaminated soil encountered or suspected. Further, the contractor personnel shall immediately cease work in the endangered area unless the work is of an emergency nature and the risk of exposure can be mitigated by the use of protective equipment or clothing. The government will determine the best means of sampling and corrective action and will notify the contractor accordingly.

**5.C.7.10. Contaminated Soil.** If the contractor is required to stockpile contaminated soil for testing and/or storage prior to ultimate disposal, the stockpile location must be approved by the CO in consultation with 88 ABW/EM. Depending upon site and soil conditions, the contractor may be directed to underlay and/or cover the stockpile with plastic sheeting. Any plastic covering must be anchored to prevent wind removal. If the stockpile is not covered, measures must be taken to prevent leaking of contaminants and wind or water erosion.

5.C.7.11. **Asbestos.** The contractor shall be responsible for having trained personnel on-site capable of identifying existing asbestos hazards in the workplace as specified in 29 CFR 1926.32(f). All asbestos abatement submittal packages shall be processed through 88 ABW/EM for approval. Asbestos may only be removed by an Asbestos Hazard Abatement Contractor with a current license from the Ohio Department of Health. Asbestos removal must be performed in accordance with Wright-Patterson AFB specifications section 02081, and 02085 as appropriate.

5.C.7.12. **Polychlorinated Biphenyls (PCB).** In no case shall the contractor remove oil-containing high voltage electrical equipment (transformers, capacitors, circuit breakers, switches, etc.) without first contacting 88 ABW/EM for guidance. The contractor shall manage all PCB and PCB contaminated items IAW the most recent version of base specification section 02083. Turn-in of Industrial Plant Equipment (IPE) and non-PCB electrical equipment to DRMO requires a certification statement that the items do not contain PCB. The certification must be obtained from 88 ABW/EM prior to purging any oils from the unit. 88 ABW/EM will provide sampling and analysis support to the contractor for IPE items not previously tested.

5.C.7.12.1. **Fluorescent Light Ballasts.** When fluorescent light fixtures are removed, the ballasts must be examined for PCB labeling. Ballast are presumed to contain PCB unless clearly labeled "NO PCB". Suspected PCB ballasts must be removed, packaged, labeled, and turned into the 88 ABW/EM in accordance with the most recent version of WPAFB specification 02083C. The contractor shall follow base specification 02083D for recycling of mercury containing lamps.

5.C.7.13. **Spill Prevention and Response Plans.** The generic "Site-Specific Spill Prevention and Response Plan" submitted with the technical proposal shall be adapted to specific sites where the contractor handles chemicals or hazardous materials regularly. A copy of the Site-specific spill plan shall be maintained at the site. A copy of the site-specific spill plan shall be provided to 88 ABW/EM. Persons working with Petroleum, Oils and Lubricants (POL) and hazardous materials shall be provided with Spill Plan Control and Countermeasures (SPCC) annual training. The training must include knowledge of Oil Pollution Act (OPA) 40 CFR 112.7 and Clean Water Act (CWA) regulations. Procedures for communication, use of absorbent material and diversionary structures shall be part of the training. The contractor shall maintain training records and make such records available for government inspection. Site-specific plans shall be revised as necessary to reflect current chemical storage and use. An example is shown in Technical Exhibit 4. (Data Item No's. D002 and D003)

5.C.7.14. **Radioactive Materials and Lasers.** The contractor shall not bring radioactive materials onto WPAFB without prior approval of the Radiation Safety Office, 88 ABW/EMB. The contractor shall use WPAFB Instruction 40-201 for guidance.

5.C.7.14.1. Any items containing radioactive material (i.e., self-luminous tritium emergency exit signs, smoke detectors, etc.) requiring disposal shall be turned in to the Radiation Safety Office, 88 ABW/EMB.

5.C.7.14.2. All lasers, including construction lasers, must be permitted through the Radiation Safety Office, 88 ABW/EMB prior to their use.

5.C.7.14.3. The contractor will not install any self-illuminating emergency signs (i.e. tritium exit signs) without prior approval of 88 ABW/EMB.

**5.C.7.15. Lead Base Paint.** Verify all painted surfaces on Wright-Patterson AFB contain some amounts of lead. Anytime these surfaces are disturbed (i.e., sanding, wall prep, demolishing, etc.) the possibility of being exposed to airborne lead dust would exist. The OSHA lead Construction Standard, 29 CFR 1926.62, is in effect whenever materials are disturbed that contain any amount of lead. This will require contractors disturbing painted or coated surfaces to institute medical surveillance, training, engineering controls, worker protection measures, and employee monitoring until monitoring results per the lead paint standard demonstrate that employee exposure is below the action level and permissible exposure limit. All documentation regarding lead exposure either by historical data or project data must be maintained by the contractor and on site. Any questions regarding lead based paint should be directed to 88 ABW/EMC at 937-257-7152.

**5.C.7.15.1.** The contractor shall be responsible for lead paint removal, all collection of lead paint chips, materials used for removal, and storage of these chips/materials on site. The Government will provide the containers, test the waste for proper disposal, and transport the waste to the accumulation point should it test positive as hazardous waste. The contractor will contact 88 ABW/EMC at 937-257-7152 immediately upon completion of task.

**5.C.7.15.2.** The contractor shall be responsible for storing and filtering all water before properly disposing any water into the sanitary drain or on ground. Directives on proper disposal will be given to the contractor by 88 ABW/EM.

**5.C.7.15.3.** The contractor shall provide a copy of their exposure assessment data if applied to this project (d), or methods of compliance (e), respirator protection plan (f), employee training plan (i), of 29 CFR 1926.62. The contractor shall provide a copy of their Hazard Communication Plan/Safety Plan to 88 ABW/EMC (937-257-7152) for review before work begins on any task.

**5.C.7.15.4.** The contractor shall send a copy of all documentation generated on this project from lead testing of material or water, air monitoring and manifests of hazardous waste to the contracting officer within ten (10) working days of task completion.

**5.C.7.15.5.** The contractor shall comply with all applicable Federal, State, and Local regulations (most recent edition) while performing this work on any task.

#### **5.C.8. HAZARDOUS WASTE MANAGEMENT.**

**5.C.8.1. GENERAL.** The contractor shall provide all labor, equipment, materials, transportation, and all other services required to comply with all laws and regulations governing the identification, storage and transportation of hazardous waste generated during the work. The contractor shall identify what wastes are hazardous using general knowledge and/or sampling and analysis, prepare waste profile sheets, package wastes in proper containers, manage these containers during temporary storage, prepare turn-in documents, and provide transportation support to the government turn-in location in Areas A/C or B. The contractor is responsible for the disposal of all wastes determined to be nonhazardous.

**5.C.8.2. REFERENCES.** The contractor shall be familiar with and have immediate access to the following regulations and publications:

Environmental Protection Agency (EPA): Title 40 Code of Federal Regulation, Parts 260 through 279.

Environmental Protection Agency (EPA): EPA SW-846, "Test Methods For Evaluating Solid Waste, Physical and Chemical Methods" (current edition)

Occupational Safety and Health Administration. (OSHA): Title 29 Code of Federal Regulation, Parts 1910 and 1926.

**5.C.8.3. SPILLS:**

5.C.8.3.1. Report any spills involving hazardous materials and/or hazardous wastes that enter or threaten to enter storm sewers or sanitary drains and any spill that involves more than the DOT Reportable Quantity for the material immediately to the Base Fire Department, (911), the Consolidated Command Post (937-257-6314), and 88 CEG Service Call (937-257-6764). Spills that do not meet these criteria, but involve small quantities of materials that can be readily contained and controlled must still be reported to 88 ABW/EM (937-257-7152). A verbal report shall be made within one (1) hour of discovery.

5.C.8.3.2. The contractor shall provide and maintain spill equipment, sufficient in both type and quantity, at all sites involving the storage, use or handling of hazardous materials/hazardous wastes. The type of equipment and quantity required will be identified in the contractor's site-specific contingency plans and shall be adequate to readily contain any foreseeable release.

5.C.8.3.3. The contractor shall develop site-specific contingency plans for each area used to store hazardous materials or hazardous wastes. This plan shall detail the response equipment to be maintained, the actions to be taken and person to be notified in the event of a spill.

5.C.8.4. **COORDINATION.** The contractor shall coordinate with the CFM and 88 ABW/EM (937-257-7152) for scheduling the date and time for turn-in of hazardous wastes, for approval of the proposed hazardous waste storage areas, and to obtain or renew the WPAFB Hazardous Waste Storage Permits. Such coordination shall be obtained at least ten (10) workdays prior to required support.

**5.C.8.5. SUBMITTALS:**

5.C.8.5.1. The contractor shall, prior to starting work, submit information for review by the CO to show that the contractor has successfully performed hazardous waste management. The information shall include the name, location, phone number and person to contact at two (2) facilities where the contractor has performed such work.

5.C.8.5.2. The contractor shall ensure that the transportation company used for the off-site transportation of hazardous waste shall possess a valid State and Federal identification number and shall provide such identification prior to any waste movement.

5.C.8.5.3. Site-specific contingency plans shall be approved by the CO in coordination with 88 ABW/EM prior to storing any hazardous materials or hazardous wastes. The generic "SITE SPECIFIC SPILL PREVENTION/RESPONSE PLAN" submitted with the technical proposal shall be adapted to specific sites where the contractor handles any hazardous materials or hazardous wastes. Revisions to the procedures and plans shall be provided if changes occur. An example is shown in Technical Exhibit 4. (Data Item No. D002)

**5.C.8.6. PROHIBITED MATERIALS:**

5.C.8.6.1. The contractor shall not use, store or handle any aerosol cans that contain chlorofluorocarbons (CFCs) as propellants.

5.C.8.6.2. The contractor shall not use, store or handle carbon tetrachloride or methyl chloroform cleaning solvents.

5.C.8.6.3. The contractor shall not use, store or handle methyl bromide as a pesticide or fumigant.

#### **5.C.8.7. LABORATORY REQUIREMENTS:**

5.C.8.7.1. The contractor shall ensure that all analytical work shall be performed in accordance with the methods and procedures, including QA/QC requirements, detailed in EPA SW 846, "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods." The analytical laboratory shall be capable of providing accurate, complete data within five (5) working days.

5.C.8.7.2. The contractor shall ensure all analyses shall be performed in a fixed laboratory setting. Field analyses and portable instrumentation shall not be used to fulfill laboratory requirements.

5.C.8.7.3. The contractor shall ensure that all data, including raw data (chromatograms, calibration data, QA/QC data, etc.), prepared during laboratory work shall be retained on file by the contractor for a minimum of three (3) years and be readily available and organized for inspection by either the USEPA or OEPA and the government. Chain-of-custody documents shall be included with these records. At the end of the contract all of these data files will be turned over to the government.

5.C.8.7.4. The contractor shall use a laboratory capable of performing all analyses required to determine RCRA characteristics, such as, but not limited to: TCLP metals, TCLP volatile and semi-volatile organics, flashpoint, reactivity, pH and paint filter test analyses, for solid and/or liquid phases. In addition, the laboratory shall be capable of performing any other analyses required to determine applicability of the used oil criteria detailed in 40 CFR, Part 279.

#### **5.C.8.8. PERFORMANCE REQUIREMENTS:**

5.C.8.8.1. The contractor shall ensure that all Area B wastes are properly classified, labeled, packaged and transported in accordance with all applicable regulations and that hazardous wastes are accepted by the government at the Hazardous Waste Storage Complex located at building 20072, Area B, within seventy-two (72) hours of the date that the total quantity of waste temporarily staged in any of the contractor's Area B storage points exceeds 55 gallons of HW or one (1) quart of acute HW.

5.C.8.8.2. The contractor shall ensure that all Area A/C wastes are properly classified, labeled, packaged and transported in accordance with all applicable regulations and that hazardous wastes are accepted by the government at the Hazardous Waste Storage Complex located at facilities 30019 or 30259A, Area C, within seventy-two (72) hours of the date that the total quantity of waste temporarily staged in any of the contractor's Areas B or C storage points exceeds 55-gallons of HW or one (1) quart of acute HW.

#### **5.C.8.9. HAZARDOUS WASTE IDENTIFICATION:**

5.C.8.9.1. The contractor shall provide all services, sample collection and laboratory work required to determine the characteristics and EPA waste codes for all wastes. Analytical specimens shall be collected, handled, stored and analyzed in accordance with all applicable methods and procedures of EPA SW-846.

5.C.8.9.2. The contractor shall complete the Waste Profile Sheets (WPS) used by WPAFB to document the waste characterization for each waste stream generated. The contractor shall use laboratory analyses to support the information provided on the WPS with the exception of expired shelf-life materials. The government may require the contractor to perform or repeat any analytical work as the government determines is necessary to properly classify any waste generated during the work.

5.C.8.9.3. Each waste stream shall be evaluated through sampling and analysis for the purpose of waste disposal determinations. At the option of the contractor, WPS may be developed through base-line characterizations and used to support waste disposal determinations for up to one (1) year for that same waste stream.

5.C.8.9.4 The contractor shall maintain Material Safety Data Sheets (MSDS), for all hazardous materials used during any work completed under this contract. The MSDS will provide the data necessary for the contractor to determine waste characteristics for expired materials.

5.C.8.9.5 The contractor shall maintain container inventory records on the wastes placed into each waste stream specific collection container. A common collection container may be established for each waste stream. Such records shall include the quantity of material added, list the hazardous constituents of the material, and identify the date the material was added.

#### **5.C.8.10 STORAGE OF HAZARDOUS WASTES:**

5.C.8.10.1 The contractor shall post contractor-furnished "Warning-Hazardous Waste Storage Site" signs, the WPAFB-issued Hazardous Waste Storage Permit, and the contingency plan in a clearly visible area of the temporary storage sites.

5.C.8.10.2. The contractor shall ensure that all wastes are properly labeled, packaged and inventoried before leaving the work-site at the end of each day.

5.C.8.10.3. The contractor shall manage an EPA permitted satellite point. This trailer shall be used as a centralized collection and temporary storage area for both hazardous and nonhazardous containerized wastes generated in Area B, WPAFB. The contractor shall also manage satellite storage areas for wastes generated in Area A/C.

5.C.8.10.4. The contractor shall maintain records at the satellite or accumulation storage site. Operating records detailing the date each waste was placed in storage, the type and quantity stored, and the date each container is removed to WPAFB Hazardous Waste Storage Complex. Records of weekly inspections, training records and incident reports shall also be prepared and maintained by the contractor.

5.C.8.10.5. The contractor shall obtain Hazardous Waste Storage Permits form 88 ABW/EM for all storage areas and shall not store any hazardous waste in non-approved areas. This permit must be renewed on an annual basis.

5.C.8.10.6. The storage trailer and satellite storage areas shall be used exclusively for the temporary storage of wastes generated during the delivery orders issued under this contract. The contractor shall not accept any material whatsoever from any laboratory, shop, or organization, nor store any materials that were not generated during work performed under this contract.

#### **5.C.8.11. PACKAGING OF HAZARDOUS WASTES:**

5.C.8.11.1. The contractor shall package all hazardous wastes in contractor furnished DOT-specification containers at the time of waste generation.

5.C.8.11.2. The contractor shall not mix hazardous wastes with nonhazardous wastes or used oils. Liquids shall not be placed in open-top containers.

5.C.8.11.3 The contractor shall ensure that containers used for packaging hazardous wastes shall be in good condition, compatible with the materials to be stored, and suitable for transport.

5.C.8.11.4. The contractor shall repackage within 24 hours of notification any containers determined by 88 ABW/EM to be unsuitable for storage and transportation.

#### **5.C.8.12. CONTAINER MAR. JG:**

5.C.8.12.1. The contractor shall provide, complete and install "Hazardous Waste" and "DOT Hazard Class" labels on each container of HW. These labels shall identify the exact materials placed within the container; the DOT proper shipping name for the waste; the date the full container entered storage, only if 55 gallons of HW or 1 quart of acute HW quantity is reached; all applicable EPA Waste Codes; the process generating the HW; the person responsible for managing the HW; and, the HW profile number.

5.C.8.12.2. The contractor shall provide, complete and install "NonHazardous Waste" labels on each container of nonhazardous waste.

5.C.8.12.3. The contractor shall provide, complete and install "Used Oil" labels for each container or tank used to temporarily store used oil.

5.C.8.12.4. The contractor shall mark each container for which sampling and analyses is required with the words "Pending Sampling and Analyses". The date shall be marked on the container.

#### **5.C.8.13. TRANSPORTATION OF HAZARDOUS WASTES:**

5.C.8.13.1. The contractor shall provide all services necessary to transport hazardous wastes generated in Area A/C to the Hazardous Waste Storage Complex located in Area C, building 30019 or 30259A, WPAFB. The contractor shall not transport any hazardous wastes from Area B to Areas A or C.

5.C.8.13.2. The contractor shall provide all services necessary to transport hazardous wastes generated in Area B to the Hazardous Waste Storage Complex located in Area B.

5.C.8.13.3. An original duplicate copy of the manifest shall be provided to the operator of the Hazardous Waste Storage Complex located in Facilities 478 and 479, Area B.

5.C.8.13.4. All vehicles used for transportation of hazardous wastes shall be placarded in accordance with DOT requirements.

5.C.8.13.5. A container holding hazardous waste shall not be opened, handled, or stored in a manner which may rupture the container or cause it to leak. All containers shall be kept closed except when it is necessary to add or remove waste.

#### **5.C.8.14. DISPOSAL OF MATERIALS:**

5.C.8.14.1. Hazardous Wastes shall be presented to 88 ABW/EM at the Hazardous Waste Storage Complex for storage and disposal acceptance. The contractor shall complete all documents required and provide all analytical data needed for the government to accept the waste.

5.C.8.14.2. The contractor shall properly manage empty containers to prevent the accumulation of rainwater. All empty 55-gallon drums shall either be used to collect hazardous wastes, be turned in to the Defense Reutilization and Marketing Office (DRMO) located at Facility 743 in Area B, or be returned to the supplier for reuse. The contractor shall complete all paperwork required for turn-in by the DRMO.

5.C.8.14.3. The contractor shall not temporarily stage any container in any area of WPAFB for longer than one-hundred eighty (180) calendar days before waste determinations are made.

5.C.8.14.4. The contractor shall be responsible for the disposal of all nonhazardous wastes generated during this work. Such disposal shall not be made on WPAFB.



## APPLICABLE PUBLICATIONS AND FORMS

**6. Publication and Forms.** Documents applicable to this PWS are listed below. The documents have been coded as mandatory (M). The contractor is obligated to follow those documents coded as mandatory to the extent necessary to accomplish the requirements of this PWS. All publications and forms listed shall be downloaded off the Air Force web site at <http://afpubs.hq.af.mil>, the Air Force Materiel Command web site at <http://www.afmc.wpafb.af.mil/pdl/afmc/hqoi.htm>, the DefenseLINK publications site at <http://www.defenselink.mil/pubs>, the US Army Corps of Engineers web site at <http://www.usace.army.mil/inet/usace-docs>, and the Air Force Center for Environmental Excellence web site at <http://www.afcee.brooks.af.mil/mmppg>. The Government will provide one copy of publications and forms not available at the web site to the Contractor no later than the contract start date. The Contractor shall be responsible for monitoring the status of pertinent publications and forms and ensuring currency. Supplements or amendments to listed publications and modifications in cited forms may be issued from any organizational level during the life of the contract and it is the Contractor's responsibility to ensure that all mandatory publications are posted and current. Compliance with Codes of Federal Regulations, professional Institutes and Associations, manuals and guides, and any other non-DoD publications needed for successful performance of this PWS shall be the responsibility of the contractor, and will not be provided by the Government.

**6.1.** All tasks set forth in the PWS are the responsibility of the contractor except where wording of the PWS explicitly makes the performance a government responsibility. It is recognized that in conjunction with many tasks set forth therein reference is made to Department of Defense, Air Force, Air Force Materiel Command, and other directives, regulations, manuals, pamphlets, technical orders, instructions, and other guidance. It is also recognized that because such referenced documents have been written with a view toward performance by government personnel they may contain language which indicates performance is to be by government personnel. Whenever such directives, regulations, manuals, pamphlets, technical orders, instructions, and other guidance are referenced, the contractor is to use such references as direction (coded mandatory) in the performance of the required duties set forth herein and in other sections of the PWS as if such references had been written toward performance by contractor personnel. The referenced publications applicable to this contract shall be those bearing the dates set forth in this section of the PWS.

**6.2.** The contractor shall be bound to perform the PWS by accomplishing the tasks set forth therein and in the cited references required by this section of the PWS provided that:

**6.2.1.** Should there be a conflict between the PWS and references set forth therein, the PWS shall have precedence.

**6.2.2.** Should there be a conflict between or among two or more such references, between or among those similarly coded, those issued by a higher authority shall control over those issued by a lower authority; and between or among those issued at the same level of authority, those with a later date of issue shall control over those with earlier dates of issue.

**6.2.3.** Any duty set forth in such reference which shall call for the exercise of non-delegable discretionary governmental authority shall be subject to the final approval of the Government official having such authority, notwithstanding that the contractor may be required thereby to perform duties and render advice at a level below such final approval.

6.3. Further, the contractor shall perform according to all such referenced directives, regulations, manuals, pamphlets, technical orders, instructions, and other guidance as they may be from time to time revised, supplemented or amended. Any increase or decrease in cost of performance occasioned by such revisions, supplements, or amendments shall form the basis for an equitable adjustment, subject to negotiation according to the provisions of this contract. The contractor shall immediately implement those revisions, supplements or amendments which will result in no change in contract price. However, prior to implementing any such revision, supplement, or amendment that will result in a change in contract price, the contractor shall submit to the CO a not-to-exceed (NTE) price proposal or a not less than (NLT) credit proposal therefor and obtain the prior approval of the CO. Said proposals shall be submitted within 30 calendar days from the date the contractor receives notice of the revision, supplement, or amendment giving rise to the change in the cost of performance. Optional Method of maintaining publications: Recommend connection to the Air Force electronic library.

6.4. It is hereby agreed that failure of the contractor to submit an NTE price proposal within 30 calendar days from the date of receipt or posted update in the electronic library of any revision, supplement, or amendment to any referenced directive, regulation, manual, pamphlet, technical order, instruction, or other guidance shall entitle the Government to performance according to such revision, supplement, or amendment at no increase in contract price.

CODE OF FEDERAL REGULATIONS (CFR)			
Publication No./ Section/Para./Line	Title	Date	Mandatory (M)
Title 29 CFR, Parts 1910 and 1926	General Provision	Current	M
Title 29 CFR 1910.1001	Asbestos Standard for General Industry	current edition	M
Title 29 CFR 1910.20	Access to Employee Exposure and Medical Records	current edition	M
Title 29 CFR 1910.34	Respiratory Protection	current edition	M
Title 29 CFR 1910.134	Respiratory Protection	current edition	M
Title 29 CFR 1910.145	Specifications for Accident Prevention Signs and Tags	current edition	M
Title 29 CFR 1910.1000, subpart Z	Toxic and Hazardous Substances	current edition	M
Title 29 CFR 1910.1200	Federal Hazard Communication Program	current edition	M
Title 29 CFR 1926.32	Identification of Asbestos Hazard	Current	M
Title 29 CFR 1926.58	Asbestos, Tremolite, Anthophyllite, and Actinolite	current edition	M
Title 29 CFR 1926.62	Lead Construction Standard	Current	M
Title 29 CFR 1926.1101	Asbestos Construction Standard	current edition	M
Title 36 CFR part 1191	Americans With Disabilities Act Accessibility Guides (ADAAG)	1994	M
Title 40 , CFR, Parts 260 279	General Provisions	Current	M
Title 40 CFR 61 Subpart A	General Provisions	current edition	M
Title 40 CFR 61 Subpart M	National Emission Standard for Asbestos	current edition	M

Title 40 CFR, Part 82,	Section of Stratosphere Ozone Refrigerant Recycling	Current edition	M
Title 40 CFR 112.7	Oil Pollution Act	Current	M
Title 40 CFR 122	The National Pollutant Discharge Elimination System	Jul 97	M
Title 40 CFR 240.101(z)	Special Waste	Current	M
Title 40 CFR 257	Criteria for Classification of Solid Waste Disposal Facilities and Practices	Current edition	M
Title 40 CFR 261	Hazardous Waste	Current	M
Title 40 CFR 172.101	Hazardous Material Table	Current	M
Title 40 CFR, Part 279	Used Oil Criteria	Current	M
Title 49 CFR, Parts 171 – 177	General Provision	Current	M
Title 49 CFR 173.301	Requirement for the Shipment of Compressed Gas Cylinders	Current edition	M
EPA SW-846	Test Methods for Evaluating Solid Waste, Physical and Chemical Methods	Current	M
<b>DEPARTMENT OF JUSTICE</b>			
<b>Publication No.</b>	<b>Title</b>	<b>Date</b>	<b>Mandatory (M)</b>
Public Law 91-190 as amended by P.L. 94-52, 94-83, & 97-258	National Environmental Policy Act (NEPA) of 1969 [42 U.S.C. Section 4321-4345]	Sep 82	M
Public Law 101-336	American's with Disabilities Act (ADA)	Jul 90	M
Public Law-Sec. 608	Clean Air Act	1990	M
Public Law 101-549	Clean Air Act Amendments	1990	M
Public Law 102-486	Energy Policy Act	1992	M
42 U.S.C. 13101-13109	Pollution Prevention		M
<b>DEPARTMENT OF DEFENSE</b>			
<b>Publication No.</b>	<b>Title</b>	<b>Date</b>	<b>Mandatory (M)</b>
DoDI 3020.37	Continuation of Essential DoD Contractor Services During a Crisis	Nov 90	M
DoDD 5500.7	Standards of Conduct	Aug 93	M
DoDR 5500.7	Joint Ethics Regulation	Mar 96	M
DRMSI 6050.1	Instructions for Environmental Compliance for the DRMS Hazardous Property Program	Oct 96	M

<b>DEPARTMENT OF AIR FORCE</b>			
<b>Publication No.</b>	<b>Title</b>	<b>Date</b>	<b>Mandatory (M)</b>
AFMAN 64-108	Service Contracts	Nov 94	M

AIR FORCE INFORMATION (AFI)			
Publication No. Section/Para/Line	Title	Date	Mandatory (M)
AFI 31-209	The Air Force Resource Protection Program	Nov 94	M
AFI 32-1054	Corrosion Control	May 94	M
AFI 32-7040	Water Quality Compliance	May 94	M
AFI 32-7041	Air Quality Compliance	May 94	M
AFI 32-7045	Environmental Compliance Assessment and Management Program	Apr 94	M
AFI 32-7047	Compliance Tracking and Reporting	Mar 94	M
AFI 32-7061	The Environmental Impact Analysis Process	Jan 95	M
AFI 32-7080	Pollution Prevention Program	May 94	M
AFI 32-7086	Hazardous Materials Management	Aug 97	M
AFI 32-7086 AFMC Supplement 1	Hazardous Materials Management	Feb 98	M
AFI 37-132	Air Force Privacy Act	Mar 94	M
AFI 64-106	Air Force Industrial Labor Relations Activities	Mar 94	M
AFI 91-204	Safety Investigations and Reports	Feb 98	M
AFI 91-301	Air Force Occupational and Environmental Safety, Fire Prevention, and Health (AFOSH) Program	Jun 96	M
AFI 91-302	Air Force Occupational and Environmental Safety, Fire Protection, and Health (AFOSH) Standards	Apr 94	M

AFOSH 91-25, 127-32, 91-43, 127-56			
Publication No. Section/Para/Line	Title	Date	Mandatory (M)
AFOSH 91-25	Confined Spaces (Formerly 127-25)	Feb 98	M
AFOSH 127-32	Emergency Shower and Eyewash Units		M
AFOSH 91-43	Flammable and Combustible Liquids (Formerly 127-43)	Oct 97	M
AFOSH 127-56	Fire Protection	Apr 86	M

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)			
Publication No.	Title	Date	Mandatory (M)
NFPA 13	Installation of Sprinkler Systems	1996	M
NFPA 70	National Electrical Code	1996	M
NFPA 72	National Fire Code	1996	M

FEDERAL ACQUISITION REGULATION			
Publication No. Section/Para/Line	Title	Date	Mandatory (M)
FAR 45.502		Current	M

WRIGHT-PATTERSON OPERATIONS PLAN (OP) 705			
Publication No. Section/Para/Line	Title	Date	Mandatory (M)
WP-OP-PLAN 705	Spill Prevention and Response Plan	current	M

AIR FORCE FORMS			
Form No. Section/Paragraph	Title	Date	Mandatory (M)
AF Form 103	Base Civil Engineering Work Clearance Request	Jul 92	M
AF Form 332	BCE Work Request	Jan 91	M
AF Form 370	Contractor Performance Report	Oct 83	M
AF Form 372	Contract Monitoring and Surveillance Report	May 85	M
AF Form 713	Performance Requirements Summary	May 87	M
AF Form 813	Request for Environmental Impact	current	M
AF Form 1024	Confined Space Entry Permit	Jul 94	M
AF Form 3000	Material Submittal	Current	M

DEFENSE FORMS			
Form No. Section/Paragraph	Title	Date	Mandatory (M)
DD Form 250	Material Inspection and Receiving Report	Nov 92	M
DD Form 1423	Contract Data Requirements List (CDRL)	current edition	M
DD Form 1664	Data Item Description	Aug 89	M

STANDARD FORMS			
Form No.	Title	Date	Mandatory (M)
SF 30	Amendment of Solicitation/Modification of Contract	Current	M
SF 1034	Public Voucher for Purchases and Services Other than Personal	Current	M
SF 1449	Solicitation/Contract/Order for Commercial Item	Current	M

WPAFB FORMS			
Form No.	Title	Date	Mandatory (M)
AFMC Form 496	Application for AFMC Identification Card	Nov 92	M
AFSC Form 3527	Contractor Work Order Request	Current	M
AMD Form 666	Contractor Work Order Request	Current	M
WI 51	Contractor Work Order Request	Current	M
WPAFB Form 1433	Installation Hazardous Waste Storage Permit	Aug 96	M
WPAFB Form 1434	Oil Collection Form	Aug 96	M
WPAFB Form 1436	IAP Container Tracking Log	Jun 97	M
WPAFB Form 1437	IAP Weekly Inspection Log	Aug 96	M
WPAFB Form 1438	Hazardous Waste Pickup	Aug 96	M
285	Contractor Work Order Request	Current	M

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

NATIONAL STANDARDS			
Publication No.	Title	Date	Mandatory (M)
NIOSH 77-131	Welding Safety	1977	M

Publication No./Section/Para./Line	AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM)	Date	Mandatory (M)
ASTM Bulletin #138	Corrosion Criteria-Their Visual Evaluation	Current	M
ASTM STANDARD #D2688-70	Corrosivity of Water in the Absence of Heat Transfer, Method Tests for Weight Loss	Current	M

Form No. / Section / Paragraph	AMERICAN WELDING SOCIETY (AWS)	Date	Mandatory (M)
ANSE/AWS B2.2	Standard for Brazing Procedure and Performance Qualification	1996	M
AWS D1.1	Structural Welding Code-Steel	1992	M

Publication No./Section/Para./Line	ENGINEERING TECHNICAL TEST CENTER (ETTC)	Date	Mandatory (M)
86-4	Paints and Protective Coatings	12 May 86	M

Publication No./Section/Para./Line	OHIO REVISED CODES (ORC)	Date	Mandatory (M)
ORC Title 37 Health, Safety, Morals Chapter 3742	Lead Abatement	current edition	M
Publication No./Section/Para./Line	VENDOR DOCUMENT	Date	Mandatory (M)
Vendor Document	Refrigerant Compliance Manager™ (RCM), Version 2	current edition	M
Publication No./Section/Para./Line	WRIGHT PATTERSON AIR FORCE BASE INSTRUCTIONS AND PROCEDURES	Date	Mandatory (M)
WPAFBI 32-7001	Hazardous Waste Management	Jun 97	M
WPAFBI 32-7002	Hazardous Materials Management	Jul 97	M
WPAFBI 40-201	Radioactive Material and Lasers	current	M
Publication No./Section/Para./Line	88 AIR BASE WING (ABW) SPECIFICATIONS	Date	Mandatory (M)
WPAFBS 02081	Asbestos Removal	current	M
WPAFBS 02083	Management of PCB's	Current	M
WPAFBS 02083C	Removal and Handling of PCB's	Current	M
WPAFBS 02083D	Recycling of Mercury Containing Lamps	Current	M
WPAFBS 02085	Asbestos Removal	Current	M
Publication No./Section/Para./Line	88 AIR BASE WING (ABW) INSTRUCTIONS	Date	Mandatory (M)
88 CES/CEOE Generated	~50lbs Refrigerant Release FORM	current edition	M

TECHNICAL EXHIBIT 1  
PERFORMANCE REQUIREMENTS SUMMARY (PRS)

RESERVED

# **TECHNICAL EXHIBIT 2**

## **WORKLOAD ESTIMATES**

### **ESTIMATED ANNUAL MANHOUR AND MATERIAL USAGE**

#### **MAINTENANCE**

<u>LABOR CATEGORY</u>	<u>1ST SHIFT</u>	<u>OVERTIME</u>	<u>2ND SHIFT</u>
Heating/Refrigeration/ Air Conditioning Mechanic	50,000	10,000	0
Maintenance Trades Helper	10,000	2,500	0
Water Treatment Technician	2,000	10	0
Electrician, Maintenance	7,500	2,000	0
Steamfitter/Welder, Maint.	9,000	2,000	0
Insulator, Maintenance	8,500	100	0
Sheet-metal Worker, Maint.	2,000	1,000	0
Painter, Maintenance	4,000	1,000	0
Carpenter, Maintenance	1,000	10	0
<b>Estimated Maint. Labor</b>	<b>94,000</b>	<b>18,620</b>	<b>0</b>
<b>Estimated Materials</b>			<b>\$2,000,000</b>
<b>Estimated Subcontracts/Rentals</b>			<b>\$ 400,000</b>

#### **CONSTRUCTION**

<u>LABOR CATEGORY</u>	<u>1ST SHIFT</u>	<u>OVERTIME</u>	<u>2ND SHIFT</u>
Electrician	20,000	2,000	2,000
Carpenter	7,000	160	1,200
Bricklayer	300	160	50
Building Laborer	6,500	160	50
Hod Carrier Laborer	500	160	50
Painter Scaffold	5,000	480	800
Pipefitter, Plumber, and Steamfitter	10,500	480	200
Refrigeration Technician	2,500	160	50
Sheet-metal Worker	4,500	320	200
Insulator	1,000	160	50
<b>Estimated Const. Labor</b>	<b>57,800</b>	<b>4,240</b>	<b>4,650</b>
<b>Estimated Materials</b>			<b>\$766,000</b>
<b>Estimated Subcontracts/Rentals</b>			<b>\$200,500</b>



**TECHNICAL EXHIBIT 3**  
**MAPS AND WORK AREA LAYOUTS**

**SEE ATTACHMENT 11 OF THE CONTRACT**

# TECHNICAL EXHIBIT 4

## REQUIRED REPORTS

The following is a list of required reports or data to be delivered to the government by the contractor that do not require DD Form 1423, Contract Data Requirements Lists (CDRLs):

Form # and Title	Submitted To	Freq	Copies	Refer
Material Safety Data Sheet (MSDS), Form Provided By Manufacturer	Maintained by CEG Work centers	For Each HazMat Item Used	1	AFOSHTD 161-21
Used Oil and Waste Liquid Petroleum Product Collection Request, WPAFB FORM 1408	88ABW/EM Office	For Each Transaction	1	WPAFB Hazardous Material Management Plan (HMMP) PWS C-5.8.7.9.1
Hazardous Waste Pickup, WPAFB Form 1438	88ABW/EM Office	For Each Transaction	1	WPAFB HMMP PWS C-5.8.7.2.2
IAP Inspection Log, WPAFB Form 1437	CEG Unit Environmental Coordinator (UEC)	Weekly	1	WPAFB HMMP PWS C-5.8.7.2.2
IAP Container Tracking Log, WPAFB Form 1436	88ABW/EM Office	For Each Transaction	1	WPAFB HMMP C-5.8.7.2.2
Installation Hazardous Waste Storage Permit WPAFB Form 1433	88ABW/EM Office	Annually	1	WPAFB HMMP C-5.8.7.2.1
Ozone Depleting Chemicals (DOS) AF Form 103 Base CE Work Clearance Request	88ABW/EM Office Keep on File for 30 Days	Quarterly ea. occurrence	1 1ea.	WPAFB HMMP/ PWS C-5.8.7.8 AFI 32-1031 sec. 14 PWS C-5-5.4
Oil Collection Form WPAFBF 1434	88ABW/EM	ANNUALLY	1	CFR 279 SUBPART C/PWS C-5.14.6.2
CFC Certification	QAE, EPA	Per Person	1	JAW CLEAN AIR ACT/PWS C-5.30.8.1
Over 50lbs Refrigerant Release	88 ABW/EMV	Per Occurrence	2	C-5.30.9.3
Base Quarterly Report, Refrigerant	Refrigerant Manager	Quarterly	1	C-5.8.7.8.1
Refrigerant Compliance Doc's	Per Requestor/Agency	Per Request *	1	C-5.8.7.8.1

**(SEE DD FORM 1423, CONTRACT DATA REQUIREMENTS LIST (CDRLs)  
FOR ADDITIONAL REQUIRED REPORTS)**

**TECHNICAL EXHIBIT 5**  
**GOVERNMENT FURNISHED ITEMS**

**5a - FACILITIES**

**5b - EQUIPMENT**

**5c - MATERIAL**

**5d - LEASED PROPERTY**

**5e - VEHICLES**

**TECHNICAL EXHIBIT 5a**

**GOVERNMENT FURNISHED FACILITIES  
(Revised 28 January 1998)**

The following areas shall be provided by the government for contractor use on this contract:

Building 20261	Field Maintenance Office	1,100 sq ft
Building 20018	Field Maintenance Office	5,892 sq ft
Building 20045	Field Maintenance Office	1,720 sq ft
Building 20620	Field Maintenance Office	2,724 sq ft
Building 20651	Field Maintenance Office	150 sq ft

**NOTE:** The first two digits of the building number indicates the area of Wright-Patterson AFB where the building is located; i.e., 10 = Area A, 20 = Area B, 30 = Area C

TECHNICAL EXHIBIT 5b  
GOVERNMENT-FURNISHED EQUIPMENT

RESERVED

TECHNICAL EXHIBIT 5c  
GOVERNMENT-FURNISHED MATERIAL

RESERVED

GOVERNMENT FURNISHED PROPERTY (LEASED BY GOVERNMENT)

RESERVED

TECHNICAL EXHIBIT 5e  
GOVERNMENT FURNISHED VEHICLES

RESERVED



TECHNICAL EXHIBIT 6

QUALITY STANDARDS

RESERVED

TECHNICAL EXHIBIT 7

PERFORMANCE REQUIREMENTS TABLE  
FOR USE WHEN SURVEILLANCE IS BY RANDOM SAMPLING

RESERVED

## TECHNICAL EXHIBIT 8

### SITE-SPECIFIC SPILL PREVENTION AND RESPONSE PLAN (SAMPLE FORMAT) (PAGE 1)

Office Symbol: ( \_\_\_\_\_ )      Date: ( \_\_\_\_\_ )  
Location: ( \_\_\_\_\_ )  
Telephone Extension: ( \_\_\_\_\_ )  
Activity: Hazardous Materials Storage

#### Notification and Initial Spill Response

In the event of a **spill** the following actions should be taken. The order of actions may depend on the existing conditions.

- \* Notify Base Fire Department, ext. 911 (If spill enters or threatens to enter a drain or storm sewer.)
- \* Notify Consolidated Command Post, 937-257-6314.
- \* Notify Immediate Supervisor, \_\_\_\_\_.
- \* Notify Civil Engineering Service Call Desk, 937-257-6765.
- \* Check causes and stop source of spill when possible without undue risk of personal injury. If the nature of the spill material is unknown, use extreme caution.
- \* Restrict all sources of ignition when flammable substances are involved.
- \* Make all spill scenes "OFF LIMITS" to unauthorized personnel.
- \* For small spills that can readily be contained, utilize on-hand spill pillows and/or appropriate absorbent material to properly clean-up the spill. Contact the Office of Environmental Management, 88 ABW/FMC (937-257-7152) for instructions on proper disposal of clean-up material. Spill response supplies and absorbent materials used must be compatible with the materials they are intended to clean. Spill pillows and absorbent materials are available in \_\_\_\_\_.
- \* Report to acting On-Scene Commander upon spill response team arrival and provide assistance until response team is fully operational. The On-Scene Commander is the senior fire official at the scene.

When notifying the Consolidated Command Post or the Fire Department, the following information shall be provided, if known, or can reasonably be determined:

- \* Name of individual reporting spill.
- \* Location of spill
- \* Number of injured personnel and nature of injuries.
- \* Substance spilled.
- \* Amount spilled (estimated).
- \* Rate substance currently is spilling (estimated).
- \* Time spill occurred (estimated).
- \* Extent which spill has traveled.
- \* Any other pertinent information (i.e., other potential hazards).

## TECHNICAL EXHIBIT 8

### SITE-SPECIFIC SPILL PREVENTION AND RESPONSE PLAN (SAMPLE FORMAT) (PAGE 2)

#### Pollution Control Equipment or Operating Procedures

- \* Building: ( ) is properly secured and warning signs are posted where hazardous chemicals are stored or handled.
- \* Refer to attached Material Safety Data Sheet for particular hazards and precautionary measures for specific chemicals.
- \* Routine inspections are performed by supervisory personnel.
- \* Water treatment chemicals that are spilled shall be neutralized prior to cleanup. Maintain the appropriate type and amount of neutralizer at the site.
- \* Hazardous materials will be stored and handled safely in accordance with OSHA and AF regulations. Questions regarding safe handling and storage of chemicals can be directed to the Base Safety Office at (937) 255-4212.
- \* Hazard warning information, to include signs and placards (for example: flammable, corrosive, hazardous waste, etc.), must be posted in the area. Reference National Fire Protection Association Code 704 Hazard Classifications

Hazardous Materials Inventory Stored and/or Brought to the Site (List the specific chemical and amounts brought to the site and/or stored at the site):

- 1 - 55 gallon Sulfuric Acid
- 1 - 55 gallon Corrosion Inhibitor
- 1 - 5 gallon Microbiocide

#### Probable Spill Route:

- \* Know where drains and catch basins are in the area and protect them with drain covers or other means if they could be impacted during a spill. Contact 88 CEG/CECX 937-656-3402 to obtain maps, building diagrams, etc. 88 CEG/CECX can aid in identification and location of drains and catch-basins.
- \* Dissipate on ground in area of spill.
- \* Vaporize to atmosphere.
- \* Any spill within the building will spread across the floor and would need to be contained with cobra coils and absorbent pillows found in emergency spill kits. Spill kits are located in \_\_\_\_\_.

#### Posting Requirements:

This site-specific contingency plan will be placed in prominent locations within the potential spill areas. Material Safety Data Sheets are required for all hazardous materials and are located in the lab foreman's office. (Bioenvironmental Engineering Services, Med Cen/SGB, and Base HAZMAT Cell (88 ABW/EMV-H, 937-257-9898) maintains a master file of the hazardous materials used on the base. Although copies of the MSDS are not available for each individual work area, information on the health, fire, and safety aspects of a particular hazardous material may be obtained from this master file and used as part of the contingency plan).

#### Attachments:

1. MSDSs
2. Chemical Inventory
3. Diagrams/Maps

**CONTRACTOR DATA REQUIREMENTS LIST**

(1 Data Item)

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY	
D. SYSTEM/ITEM		E. CONTRACT/PR NO.		F. CONTRACTOR	
G. DATA ITEM NO.		H. TITLE OF DATA ITEM		I. SUBTITLE	
A001		COMMERICAL OFF-THE-SHELF MANUALS		Operating Manuals Literature and Warranties	
J. AC THORITY (DRA Acquisition Document No.)		K. CONTRACT REFERENCE		L. REQUIRING OFFICE	
DI-TMSS-80527		PWS Para 5.3.3.		88 CEG/CECW (CFM)	
M. DOWNG REQ	N. DIST STATEMENT	O. FREQUENCY	P. DATE OF FIRST SUBMISSION	Q. DISTRIBUTION	
NO		As Req'd	SEE BLOCK 16	COPIES	
R. APPROV CODE		S. AS OF DATE	T. DATE OF SUBSEQUENT	U. ADDRESS	
NO			SEE BLOCK 16	Draft Final	
V. REMARKS				W. TOTAL	
<p>Block 12: Submit within 30 calendar days after equipment installation.</p> <p>Block 13: Submit CTR maintained copy to CFM at end of contract.</p>				LAB MONITOR	
				CFM	
				X. PREPARED BY	
JIMMY C. SMITH				23 APR 99	
Z. APPROVED BY				AA. DATE	
JIMMY C. SMITH				23 APR 99	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE





# CONTRACTOR DATA REQUIREMENTS LIST

## (1 Data Item)

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed forms to the Government Issuing Contracting No. listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY TOP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
D. SYSTEM ITEM		E. CONTRACT/PR NO.		F. CONTRACTOR	
1. DATA ITEM		2. TITLE OF DATA ITEM		3. SECT/CELL	
A004		MANNING REPORT		CONSTRUCTION REPORT	
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE		6. REQUESTING OFFICE	
DI-MGMT-80212A		PWS Para 5.6.2.		88 CEG/CECW (CFM)	
7. REQUIRED NO	8. LAST STATEMENT	9. FREQUENCY DAILY	10. DATE OF FIRST SUBMISSION	11. DISTRIBUTION	
A. APP CODE NO		11. AS OF DATE 0800	13. DATE OF SUBSEQUENT	COPIES	
				A. ADDRESSEE	Draft Total Reg Repro
12. REMARKS				CFM	1
Block 4: Tailored so that only para 10.1 and 10.2 apply.					
		14. TOTAL			
15. PREPARED BY JIMMY C. SMITH		16. DATE 23 APR 99	17. APPROVED BY JIMMY C. SMITH		18. DATE 23 Apr 99

17. PRICE CODE

18. ESTIMATED  
TOTAL PRICE



Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 10 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT REPEAT this form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in Block E.

[illegible]

17 PRICE GROUP	
18 ESTIMATED TOTAL PRICE	

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN this form in either of these addresses. Send completed form to the Government Issuing Contracting No. Issued in Block E.

A. CONTRACT FIRM NAME		B. EXHIBIT		C. CATEGORY	
D. SYSTEM ITEM		E. CONTRACT PR NO		F. CONTRACTOR	
				TOP TM OTHER X	

DATA ITEM NO.	TITLE OF DATA ITEM	SUBTITLE
B002	MANNING REPORT	MANHOUR REPORT

DI-MGMT-80212A	CONTRACT REFERENCE PWS Para 5.6.3.	REQUIRING OFFER 88 CEG/CECW (CFM)
----------------	---------------------------------------	--------------------------------------

10. DISC NO. AND NO	9. DIST STATEMENT NO	11. FREQUENCY SEMI-ANNUAL	12. DATE OF FIRST SUBMISSION 30 APR 00	13. DISTRIBUTION			
8. APPL CODE NO		11. AS OF DATE 30 Apr/31 Oct	14. DATE OF SUBSEQUENT	A. ADDRESSEE	COPIES		
					Draft	Final	
						Recd	Regin

[illegible]

PREPARED BY	H DATE	APPROVED BY	I DATE
MMY C. SMITH	23 APR 99	JIMMY C. SMITH	23 APR 99

17 PRICE GROUP
18 ESTIMATED TOTAL PRICE



# CONTRACTOR DATA REQUIREMENTS LIST

## (1 Data Item)

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Public reporting burden for this collection of information is estimated to average 120 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in Block E.

A. CONTACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY TOP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
D. SYSTEM/TITLE		E. CONTRACT/PR NO.		F. CONTRACTOR	
1. DATA ITEM NO. B004	2. TITLE OF DATA ITEM STATUS REPORT			3. SUBTITLE CONSTRUCTION REPORT	
4. AUTHORITY (Data Acquisition Document No.) DI-MGMT-80368		5. CONTRACT REFERENCE PWS Para 5.6.5		6. REQUIRING OFFICE 88 CEG/CECW (CFM)	
7. DD FORM NO. NO	8. DIST STATEMENT NO	9. FREQUENCY WEEKLY	10. DATE OF FIRST SUBMISSION	11. DISTRIBUTION	
12. AS OF DATE Meeting	13. DATE OF SUBSEQUENT	14. ADDRESSER CFM			
15. REMARKS Block 4: Tailored so that only para 10.1 applies.		16. COPIES Draft Final Reg Rept 10			
17. PREPARED BY JIMMY C. SMITH		18. DATE 23 APR 99		19. APPROVED BY JIMMY C. SMITH	
20. DATE 23 Apr 99		21. DATE 23 Apr 99			

17. PRICE GROUP

18. ESTIMATED  
TOTAL PRICE



Public reporting burden for this collection of information is estimated to average 130 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in block 6.

17 PRICE GROUP	
18 ESTIMATING TOTAL PRICE	

Public reporting burden for this collection of information is estimated to average 130 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form in either of these addresses. Send completed form to the Government Issuing/Contracting No. listed in Block E.

17 PRICE GROUP
18 ESTIMATED TOTAL PRICE

**Block 14: Lab monitors receive only the lab's respective section.**

# CONTRACTOR DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

This reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188) Washington, DC 20503. Please DO NOT REPLICATE information from these addresses. Send completed form to the Government Issuing Contracting No. listed in Block E.

A. CONTRACT IDENTIFICATION		B. EXHIBIT		C. CATEGORY	
				TOP <input type="checkbox"/> IM <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
D. SYSTEM/TEAM		E. CONTRACT/PR NO.		F. CONTRACTOR	
G. DATA ITEM NO.		H. TITLE OF DATA ITEM		I. SUBTITLE	
C004		PHYSICAL INVENTORY REPORT			
J. AUTHORITY (Data Acquisition Document No.)		K. CONTRACT REFERENCE		L. REQUIRING OFFICE	
DI-MGMT-80259		PWS Para 5.6.9.			
M. DISTRIBUTION	N. THIS STATEMENT	O. FREQUENCY	P. DATE OF FIRST SUBMISSION	Q. DISTRIBUTION	
NO		ANNUALLY	CONTRACT START		
R. APPROVED		S. SYSTEM DAIL	T. DATE OF SUBSEQUENT	U. ADDRESSEE	
NO		See Block 16	CONTRACT END	A. Addressee	
V. REMARKS				W. COPIES	
				Draft Final	
Block II: Submit within five workdays of completion of joint inventory.				X. TOTAL	
				2	
G. PREPARED BY		H. DATE		I. APPROVED BY	
JIMMY C. SMITH		23 APR 99		JIMMY C. SMITH	
				J. DATE	
				23 Apr 99	

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE



Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188) Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in Block E.

17 PRICE GROUP	
18 ESTIMATED TOTAL PRICE	

Page 13 of 17

**CONTRACTOR DATA REQUIREMENTS LIST**

(1 Data Item)

Form Approved

OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in Block 2.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TOP _____ TM _____ OTHER <input checked="" type="checkbox"/> X _____	
D. SYSTEM/TITLE		E. CONTRACT/PR NO.		F. CONTRACTOR	
1. DATA ITEM NO. <b>DOO2</b>		2. TITLE OF DATA ITEM <b>SAFETY STANDARDS &amp; OPERATING PROCEDURES</b>		3. SUBTITLE <b>SITE-SPECIFIC SPILL PREVENTION/RESPONSE PLAN</b>	
4. AUTHORITY (Data Acquisition Document No.) <b>DI-SAFT-80589</b>		5. CONTRACT REFERENCE <b>PWS Para 5.C.8.5.3.</b>		6. REQUIRING OFFICE <b>88 CEG/CECW (CFM)</b>	
7. FREQUENCY <b>NO</b>	8. DIS. STATEMENT <b>NO</b>	9. FREQUENCY AS REQ'D <b>NO</b>	10. DATE OF FIRST SUBMISSION	27. DISTRIBUTION	
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Public reporting burden for this collection of information is estimated to average 30 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Controlling No. listed on Block F.

17. PRICE GROUP	
18. ESTIMATED TOTAL PRICE	

# CONTRACTOR DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved  
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting No. listed in Block I.

A. CONTACT LINE ITEM NO. B. EXHIBIT C. CATEGORY  
TOP ☐ INT ☐ OTHER ☒

D. SYSTEM ITEM E. CONTRACT PR NO. F. CONTRACTOR

G. DATA ITEM NO. H. TITLE OF DATA ITEM I. SUBTITLE

J001 QUALITY CONTROL PROGRAM

K. AUTHORITY (Data Acquisition Document No.) L. CONTRACT REFERENCE M. REQUIRING OFFICE

PWS Para 1.3.1. CONTRACTING OFFICE

N. UNCLASSIFIED O. DIST STATEMENT P. FREQUENCY Q. DATE OF FIRST SUBMISSION R. DISTRIBUTION

NO ONCE SEE BLOCK 16

R. ADDRESS S. DATE OF DATE T. DATE OF SUBSEQUENT U. ADDRESS V. COPIES

NO See Block 16 SEE BLOCK 16

W. REMARKS

Block 11 & 12: Submit plan within 20 workdays after contract award.

Block 13: Plan will be revised, as required, during period of contract.

17. PRICE GROUP  
18. ESTIMATED TOTAL PRICE

PREPARED BY JIMMY C. SMITH DATE 23 APR 99 APPROVED BY JIMMY C. SMITH DATE 23 APR 99

